GOVERNMENT OF KARNATAKA

CONSTRUCTION OF EIGHT LANE

# BENGALURU BUSINESS CORRIDOR

# (BBC)

## TYPICAL CROSS SECTION, PLAN AND PROFILE DRAWING

**MARCH 2026**

BANGALORE DEVELOPMENT AUTHORITY

T.CHOWDAIAH ROAD, KUMARA PARK WEST, BANGALORE-560 020.

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| 39 | RD-348 | MAIN ROAD PLAN AND PROFILE CH: 18900 TO CH:19600 |
| 40 | RD-349 | MAIN ROAD PLAN AND PROFILE CH: 19600 TO CH:20300 |
| 41 | RD-350 | MAIN ROAD PLAN AND PROFILE CH: 20300 TO CH:21000 |

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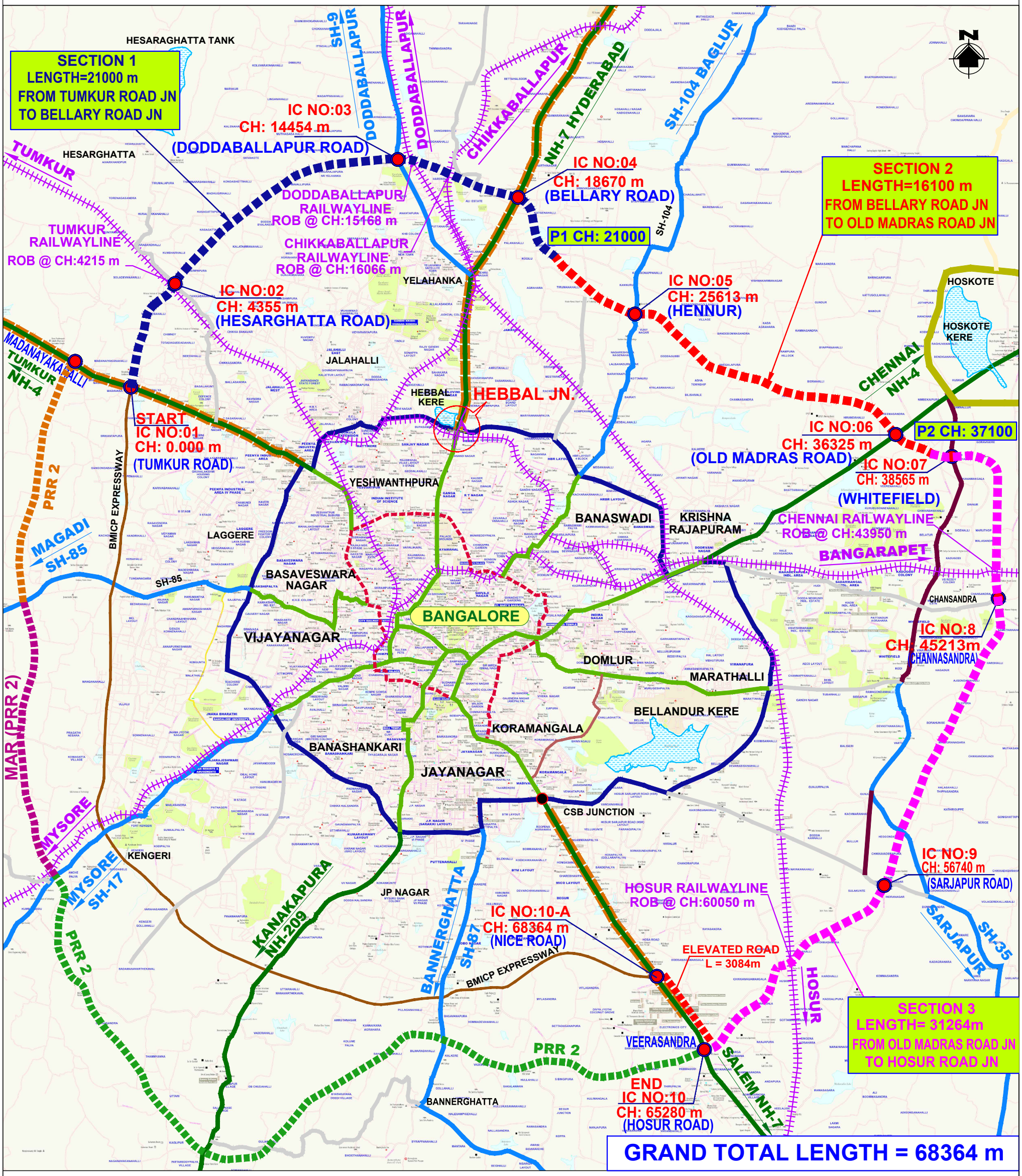
# KEY PLAN OF BANGALORE BUSINESS CORRIDOR

**GOVERNMENT OF KARNATAKA**

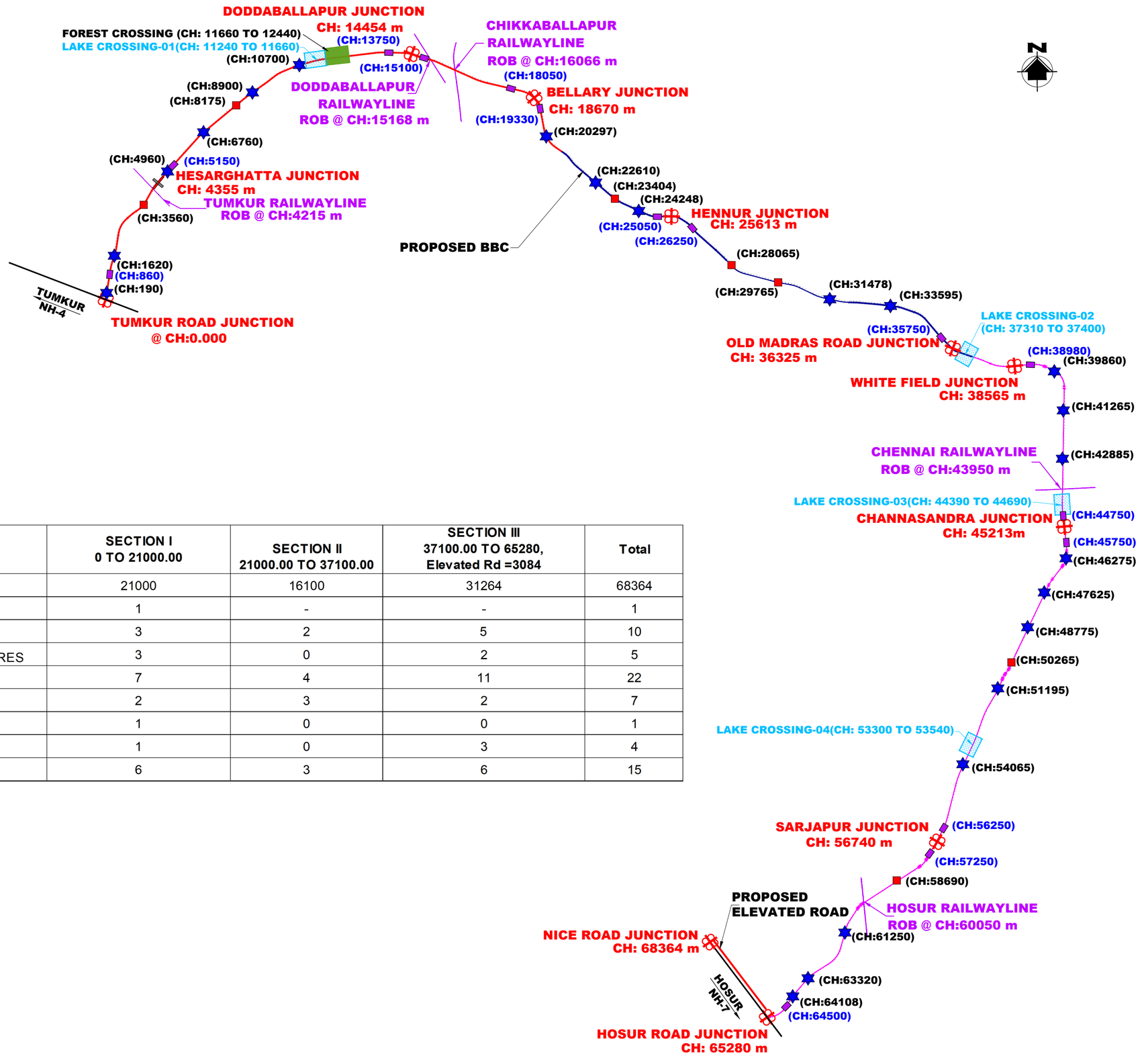
**BANGALORE DEVELOPMENT AUTHORITY**
T.CHOWDAIAH ROAD, KUMARA PARK WEST, BANGALORE-560 020




**LEGEND:**

- ■■■■■ : SECTION 1 - LENGTH= 21000 (FROM TUMKUR ROAD JN TO BELLARY ROAD JN)
- ■■■■■ : SECTION 2 - LENGTH= 16100.000m (FROM BELLARY ROAD JN TO OLD MADRAS ROAD JN)
- ■■■■■ : SECTION 3 - LENGTH= 28180 + ELEVATED RD L=3084 = 31264 m (FROM OLD MADRAS ROAD JN TO HOSUR ROAD JN)

} TOTAL LENGTH = 68364 m




## LEGEND :

| | Sl.no | DESCRIPTION | SECTION I<br>0 TO 21000.00 | SECTION II<br>21000.00 TO 37100.00 | SECTION III<br>37100.00 TO 65280,<br>Elevated Rd =3084 | Total |
|---|---|---|---|---|---|---|
| | 1 | PROJECT LENGTH (M) | 21000 | 16100 | 31264 | 68364 |
| | 2 | GRADE SEPARATORS | 1 | - | - | 1 |
| | 3 | INTER CHANGES | 3 | 2 | 5 | 10 |
| | 4 | RAILWAY CROSSING STRUCTURES | 3 | 0 | 2 | 5 |
| | 5 | VEHICULAR UNDERPASS | 7 | 4 | 11 | 22 |
| | 6 | VEHICULAR OVERPASS | 2 | 3 | 2 | 7 |
| | 7 | FOREST CROSSING | 1 | 0 | 0 | 1 |
| | 8 | LAKE CROSSINGS | 1 | 0 | 3 | 4 |
| | 9 | TOLL LOCATIONS | 6 | 3 | 6 | 15 |

# BBC STRUCTURAL KEYPLAN

SCALE = 1: 200000

# TYPICAL CROSS SECTION

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# TYPICAL CROSS SECTION SCHEDULE

**CROSS SECTION SCHEDULES**

| Sl No | Design Chainage | | Length (m) | Package | TCS TYPE | Remarks | | | |
|---|---|---|---|---|---|---|---|---|---|
| | From | To | | | | PRR Structure Type | Str. Chainage (m) | Junction Name | Nos of TOLL |
| 1 | 0.000 | 37.500 | 37.500 | I | Existing | Flyover (+1) | 0.000 | Tumkur Road | |
| 2 | 37.500 | 60.000 | 22.500 | I | Existing | | | | |
| 3 | 60.000 | 155.000 | 95.000 | I | Jn Structure | | | | |
| 4 | 155.000 | 225.000 | 70.000 | I | Jn Structure | VUP | 190.000 | | |
| 5 | 225.000 | 560.000 | 335.000 | I | Jn Structure | | | | |
| 6 | 560.000 | 930.000 | 370.000 | I | Jn Structure | | 860.000 | Toll Plaza | 8+8 |
| 7 | 930.000 | 1110.000 | 180.000 | I | Taper portion | | | | |
| 8 | 1110.000 | 1250.000 | 140.000 | I | 1 | | | | |
| 9 | 1250.000 | 1585.000 | 335.000 | I | 2 | | | | |
| 10 | 1585.000 | 1655.000 | 70.000 | I | 3 | VUP | 1620.000 | | |
| 11 | 1655.000 | 1880.000 | 225.000 | I | 2 | | | | |
| 12 | 1880.000 | 3300.000 | 1420.000 | I | 1 | | | | |
| 13 | 3300.000 | 3545.000 | 245.000 | I | 4 | | | | |
| 14 | 3545.000 | 3575.000 | 30.000 | I | 5 | Underpass (-1) | 3560.000 | | |
| 15 | 3575.000 | 3820.000 | 245.000 | I | 4 | | | | |
| 16 | 3820.000 | 3860.000 | 40.000 | I | 1 | | | | |
| 17 | 3860.000 | 4160.000 | 300.000 | I | Jn Structure | | | | |
| 18 | 4160.000 | 4400.000 | 240.000 | I | Jn Structure | ROB (4215) Flyover (+1) | 4355.000 | Hesarghatta Road | |
| 19 | 4400.000 | 4860.000 | 460.000 | I | Jn Structure | | | | |
| 20 | 4860.000 | 4925.000 | 65.000 | I | 2 | | | | |
| 21 | 4925.000 | 4995.000 | 70.000 | I | 3 | VUP | 4960 | | |
| 22 | 4995.000 | 5240.000 | 245.000 | I | 2 | | 5150.000 | Toll Plaza | 4+2 |
| 23 | 5240.000 | 6000.000 | 760.000 | I | 1 | | | | |
| 24 | 6000.000 | 6725.000 | 725.000 | I | 2 | | | | |
| 25 | 6725.000 | 6795.000 | 70.000 | I | 3 | VUP | 6760.000 | | |
| 26 | 6795.000 | 7210.000 | 415.000 | I | 2 | **MRPL Crossing CH: 6875 - 30M Structure** | 6875.000 | | |
| 27 | 7210.000 | 7900.000 | 690.000 | I | 1 | | | | |
| 28 | 7900.000 | 8159.000 | 259.000 | I | 4 | | | | |
| 29 | 8159.000 | 8189.000 | 30.000 | I | 5 | Underpass (-1) | 8175.000 | | |
| 30 | 8189.000 | 8480.000 | 291.000 | I | 4 | | | | |
| 31 | 8480.000 | 8540.000 | 60.000 | I | 1 | | | | |
| 32 | 8540.000 | 8865.000 | 325.000 | I | 2 | | | | |
| 33 | 8865.000 | 8935.000 | 70.000 | I | 3 | VUP | 8900.000 | IIHR Road | |
| 34 | 8935.000 | 9440.000 | 505.000 | I | 2 | | | | |
| 35 | 9440.000 | 10150.000 | 710.000 | I | 1 | | | | |
| 36 | 10150.000 | 10665.000 | 515.000 | I | 2 | | | | |
| 37 | 10665.000 | 10735.000 | 70.000 | I | 3 | VUP | 10700.000 | | |
| 38 | 10735.000 | 10930.000 | 195.000 | I | 2 | | | | |
| 39 | 10930.000 | 11240.000 | 310.000 | I | 1 | | | | |
| 40 | 11240.000 | 11660.000 | 420.000 | I | 9 | **Lake 14 span x 30** | | | |
| 41 | 11660.000 | 12440.000 | 780.000 | I | 9 | **JARAKABANDE KAVALU & STATE GOVT. FOREST AREA** | | | |

**CROSS SECTION SCHEDULES**

| Sl No | Design Chainage | | Length (m) | Package | TCS TYPE | Remarks | | | |
|---|---|---|---|---|---|---|---|---|---|
| | From | To | | | | PRR Structure Type | Str. Chainage (m) | Junction Name | Nos of TOLL |
| 42 | 12440.000 | 12640.000 | 200.000 | I | 8 | | | | |
| 43 | 12640.000 | 12900.000 | 260.000 | I | 2 | | | | |
| 44 | 12900.000 | 13950.000 | 1050.000 | I | 1 | | | | |
| 45 | 13950.000 | 14270.000 | 320.000 | I | Jn Structure | | 13750.000 | Toll Plaza | 7+4 |
| 46 | 14270.000 | 14700.000 | 430.000 | I | Jn Structure | Flyover (+1) | 14454.000 | Doddaballapur Road | |
| 47 | 14700.000 | 14800.000 | 100.000 | I | Jn Structure | | | | |
| 48 | 14800.000 | 15120.000 | 320.000 | I | Jn Structure | | 15100.000 | Toll Plaza | 7+4 |
| 49 | 15120.000 | 15196.000 | 76.000 | I | Jn Structure | ROB | 15168.000 | | |
| 50 | 15196.000 | 16050.000 | 854.000 | I | Jn Structure | | | | |
| 51 | 16050.000 | 16086.900 | 36.900 | I | Jn Structure | ROB | 16066.000 | | |
| 52 | 16086.900 | 16470.000 | 383.100 | I | Jn Structure | | | | |
| 53 | 16470.000 | 18313.000 | 1843.000 | I | 1 | | 18050.000 | Toll Plaza | 7+4 |
| 54 | 18313.000 | 18615.000 | 302.000 | I | Jn Structure | | | | |
| 55 | 18615.000 | 18725.000 | 110.000 | I | Jn Structure | Underpass | 18670.000 | Bellary Road | |
| 56 | 18725.000 | 18943.000 | 218.000 | I | Jn Structure | | | | |
| 57 | 18943.000 | 19800.000 | 857.000 | I | 1 | | 19330.000 | Toll Plaza | 7+4 |
| 58 | 19800.000 | 20010.000 | 210.000 | I | 1 | | | | |
| 59 | 20010.000 | 20252.000 | 242.000 | I | 2 | | | | |
| 60 | 20252.000 | 20342.000 | 90.000 | I | 9 | VUP | 20297.000 | | |
| 61 | 20342.000 | 20590.000 | 248.000 | I | 2 | | | | |
| 62 | 20590.000 | 21000.000 | 410.000 | I | 1 | | | | |

NOTES :

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

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| | | | | | | |
|---|---|---|---|---|---|---|
| GIS | | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE | |

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OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: TYPICAL CROSS SECTION SCHEDULE

DRG.NO.: N0533/E/HWY/RD-07(R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: N.T.S

A2

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# LEGEND FOR FEATURES

| | |
|---|---|
| COMPOUND WALL, WIRE FENCE | |
| TELEPHONE LINE | |
| POWER LINE, HIGH TENSION LINE | |
| ELECTRIC POWER POLE | FP |
| ROAD BOUNDARY STONE | KB |
| HIGH TENSION TOWER | |
| RAILWAY TRACK | |
| ROAD: METALLED, UNMETALLED, CART TRACK | |
| BUILDING: PERMANENT, TEMPORARY, HUT | RCC ACS HUT |
| TEMPLE, MOSQUE, CHURCH, PUMP HOUSE | PH |
| CULVERT/BRIDGE, WEIR | |
| STREAM: DEFINED, UNDEFINED, DRAIN/CANAL | |
| EMBANKMENT, CUTTING, CULTIVATION LIMIT | |
| TREES: JUNGLE,MANGO, NEEM,TAMARINDS, OTHERS | |
| WELL, BOREWELL, WATER TANK | BW |
| SHEET ROCK, CONTOUR LEVEL | |
| VILLAGE BOUNDARY LIMIT | |
| HEIGHTS: T.B.M, TRAVERSE POINT | TBM4⊕(563.695)⊕A1 |
| SPOT LEVEL, TANK | 560.664 |

# NOTES:

1. REFERENCE LINE FOR HORIZONTAL ALIGNMENT SET OUT IS DESIGNED ALONG CENTRE LINE OF PROPOSED MEDIAN.
2. CHAINAGES INDICATED IN PLAN & PROFILE DRAWINGS FOR CROSS SECTION IS W.R.T. CENTRE LINE OF PROPOSED MEDIAN.
3. ROAD LEVELS INDICATED FOR THE RIGHT & LEFT MAIN CARRIAGEWAY IN THE PLAN & PROFILE DWG ARE TAKEN ALONG THE KERB BOTTOM OF THE CENTRAL MEDIAN
4. SUPERELEVATION INDICATED IN PLAN AND PROFILE DRAWINGS IS ROTATED W.R.T. MEDIAN KERB EDGES OF RESPECTIVE CARRIAGEWAYS.
5. FINISHED ROAD TOP LEVELS ARE CONSIDERED AS FOLLOWS:
   PROPOSED LEFT CARRIAGEWAY : EDGE OF LEFT MEDIAN KERB.
   PROPOSED RIGHT CARRIAGEWAY : EDGE OF RIGHT MEDIAN KERB.
6. CHAINAGES FOR CROSS DRAINAGE STRUCTURES INDICATED IN PLAN AND PROFILE DRAWINGS FOR NORMAL CROSS SECTION ARE REDUCED FROM REFERENCE LINE CHAINAGES. W.R.T CENTRE LINE OF PROPOSED MEDIAN.

# GENERAL NOTES:

1. MATERIAL SPECIFICATIONS AND WORK SPECIFICATIONS SHALL BE IN ACCORDANCE WITH "MORT&H SPECIFICATIONS FOR ROAD AND BRIDGE WORKS" – V REVISION AND IRC:37–2018 FOR COMPLETE ROAD CONSTRUCTURE UNLESS OTHERWISE SPECIFIED.
2. FOLLOWING SPECIFICATIONS OF MORT&H SHALL BE FOLLOWED FOR MATERIAL SELECTION AND CONSTRUCTURE FOR DIFFERENT PAVEMENT LAYERS:
   - EARTHWORK IN EMBANKMENT : CLAUSE 305
   - EARTHWORK IN CUTTING : CLAUSE 301
   - SUBGRADE & EARTHEN SHOULDER : CLAUSE 305
   - STONE MATRIX ASPHALT : CLAUSE 515 & IRC:SP: 079
   - DENSE BITUMINOUS MACADAM (DBM) : CLAUSE 505
   - BITUMINOUS CONCRETE (BC) : CLAUSE 507 & IRC:SP: 053 (WITH MODIFIED BINDER)
   - PAVEMENT QUALITY CONCRETE : CLAUSE 602
   - DRY LEAN CONCRETE : CLAUSE 601
3. COMPACTION REQUIREMENTS FOR EARTHWORKS SHALL BE AS FOLLOWS:
   - EMBANKMENT : 95%
   - SUBGRADE : 97%
   - EARTHEN SHOULDER / GRANULAR SHOULDER / MEDIAN FILL / CORRIDOR : 97%
4. SUBGRADE CBR SHALL NOT BE LESS THAN 10% (MIN)
5. IF THE DIFFERENCE BETWEEN NATURAL GROUND LEVEL AND FINISHED ROAD LEVEL IS LESS THAN 500MM, THEN THE GROUND SHALL BE LOOSENED AND RE COMPACTED TO ACHIEVE 97% OF DRY DENSITY.
6. UNSUITABLE MATERIAL / SOIL ENCOUNTERED DURING PAVEMENT FORMATION SHALL BE REMOVED AND REFILLED WITH SELECT FILL MATERIAL AND COMPACTED IN LAYERS.
7. FINISHED ROAD LEVEL (FRL) IS MEASURED ON KERB EDGES OF RESPECTIVE CARRIAGEWAYS OF MAIN ROAD, CENTERLINE OF CARRIAGEWAY FOR SERVICE ROADS.
8. PAVEMENT COMPOSITION FOR MAIN ROAD AND SERVICE ROAD ARE FURNISHED IN TABLE–1

## PAVEMENT COMPOSITION

| PAVEMENT LAYERS | SECTION I 0.00 TO 21000 | SECTION II 21000 TO 37100 | SECTION III 37100 TO 66518.219 | SERVICE ROAD |
|---|---|---|---|---|
| **MAIN ROAD** | **FLEXIBLE** | | | |
| BITUMINOUS CONCRETE | 50 | 50 | 50 | 40 |
| DENSE BITUMINOUS MACADAM | 100 | 100 | 110 | 70 |
| WET MIX MACADAM | 250 | 250 | 250 | 250 |
| GRANULAR SUBBASE | 200 | 200 | 200 | 300 |
| CBR FOR SUBGRADE 10% minimum | 500 | 500 | 500 | 500 |
| **TOTAL CRUST** | **1100** | **1100** | **1110** | **1160** |

NOTES :

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13–01–26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

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OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: LEGENDS GENERAL NOTES & PAVEMENT COMPOSITION

DRG.NO.: N0533/E/HWY/RD–08 (R0)

DATE: 13–01–2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: N.T.S

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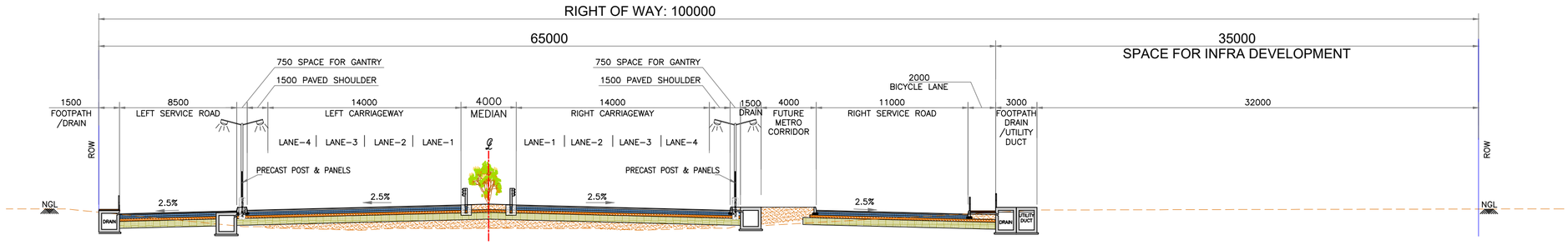
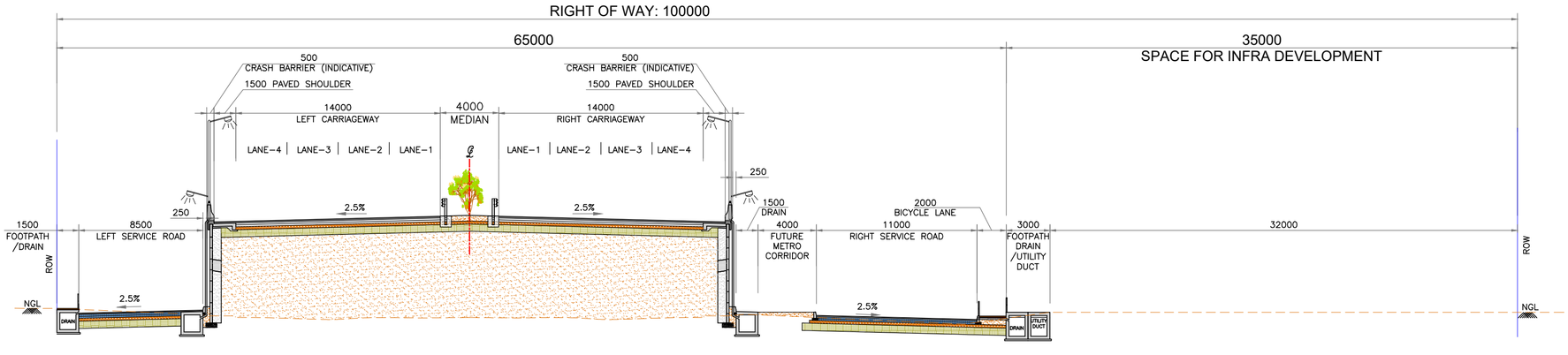
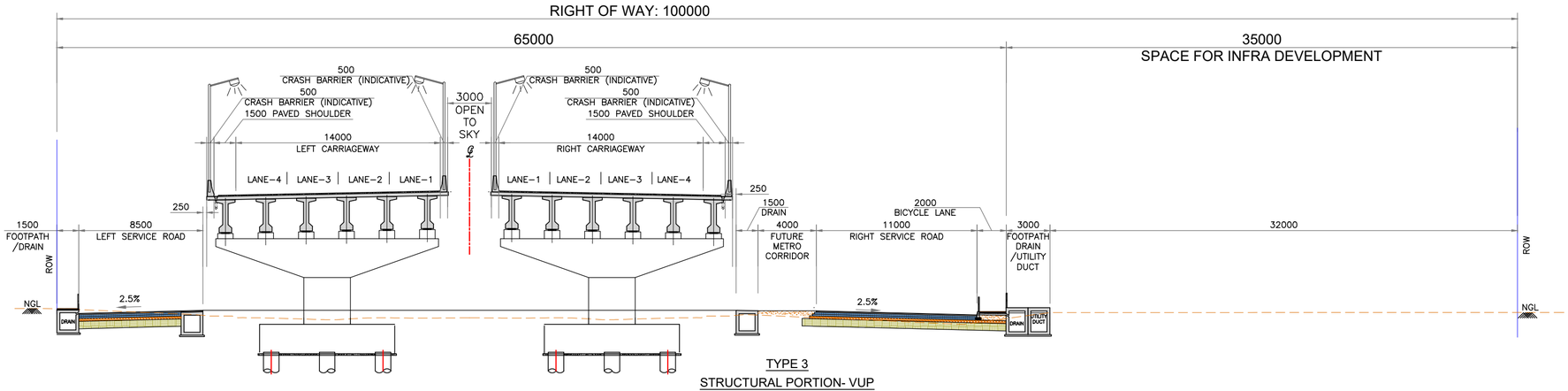



TYPE 1
NORMAL SECTION




TYPE 2
APPROACH PORTION- VUP




TYPE 3
STRUCTURAL PORTION- VUP

## NOTES :

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
2. DETAILS OF STRUCTURE, DRAIN, CRASH BARRIER, MISCELLANEOUS DETAILS & PAVEMENT LAYERS SHOWN IN THE DRAWING ARE INDICATIVE, WHICH SHALL BE AS PER RELEVANT DRAWINGS / DESIGNS.
3. RETAINING WALL (RCC WALL/RE WALL) WILL BE REQUIRED AT FOLLOWING LOCATIONS OF
   * HIGH EMBANKMENT / CUTTING
   * WHERE SLOPE LINE OF ROAD SPILLS BEYOND ROW.

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

| | | | | | | |
|---|---|---|---|---|---|---|
| ☑ APPROVAL | | ☐ CONSTRUCTION | | | | |
| ☐ INFORMATION | | ☐ TENDER | | | | |
| ☐ DRAFT | | ☐ PRELIMNARY | | | | |
| RELEASED FOR | | | | | | |
| GIS | | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE | |
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#69, JP & Devi Jambulesheer Arcade 4th Floor, Millers Road Bengaluru - 560 052
Tel.: 080 - 40 39 79 79
Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: TYPICAL CROSS SECTIONS TYPE 1, 2 & 3

DRG.NO.: N0533/E/HWY/RD-01 (R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: 1:250

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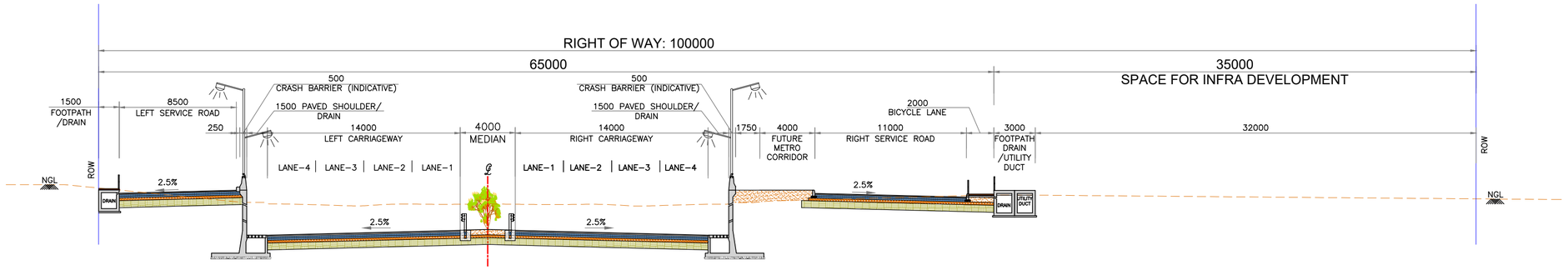
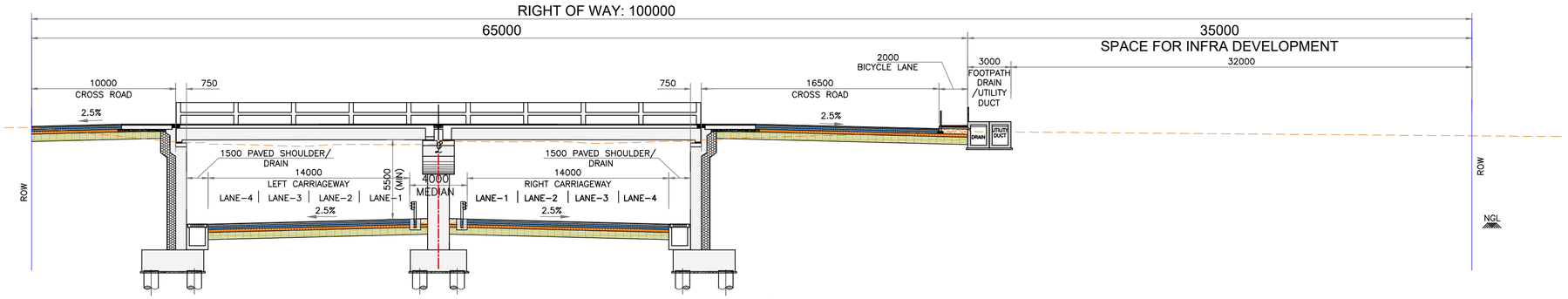
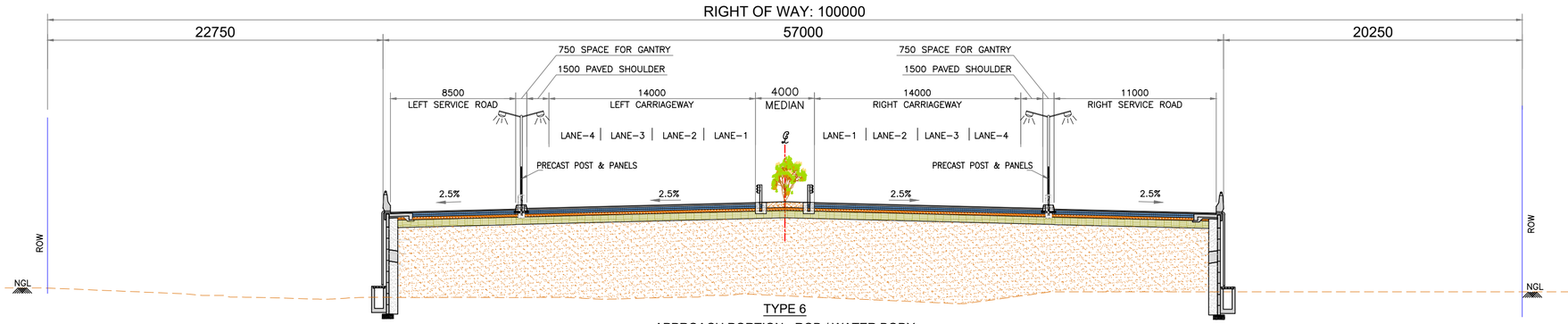



TYPE 4
APPROACH PORTION- UNDERPASS




TYPE 5
STRUCTURE PORTION- UNDERPASS




TYPE 6
APPROACH PORTION - ROB / WATER BODY

## NOTES :

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
2. DETAILS OF STRUCTURE, DRAIN, CRASH BARRIER, MISCELLANEOUS DETAILS & PAVEMENT LAYERS SHOWN IN THE DRAWING ARE INDICATIVE, WHICH SHALL BE AS PER RELEVANT DRAWINGS / DESIGNS.
3. RETAINING WALL (RCC WALL/RE WALL) WILL BE REQUIRED AT FOLLOWING LOCATIONS OF
   * HIGH EMBANKMENT / CUTTING
   * WHERE SLOPE LINE OF ROAD SPILLS BEYOND ROW.

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

| | | | | | |
|---|---|---|---|---|---|
| ☑ APPROVAL | ☐ CONSTRUCTION | | | | |
| ☐ INFORMATION | ☐ TENDER | | | | |
| ☐ DRAFT | ☐ PRELIMNARY | | | | |
| RELEASED FOR | | | | | |
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |
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CONSULTANT: STUP Consultants Pvt. Ltd.
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OFFICE OF ORIGIN : #69, JP & Devi Jambulashwar Arcade 4th Floor, Millers Road Bengaluru – 560 052 Tel.: 080 – 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: TYPICAL CROSS SECTIONS TYPE 4, 5 & 6

DRG.NO.: N0533/E/HWY/RD-02 (R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: 1:250

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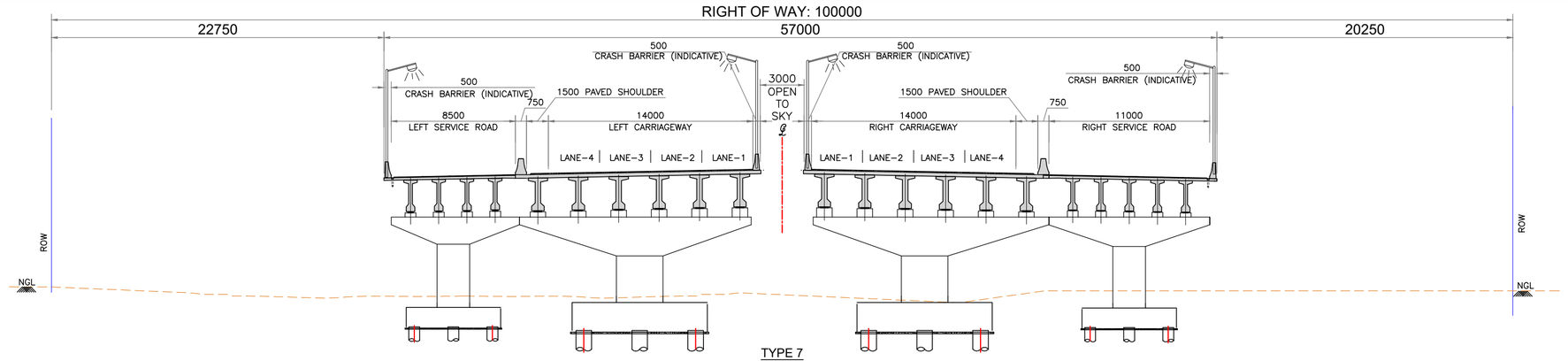
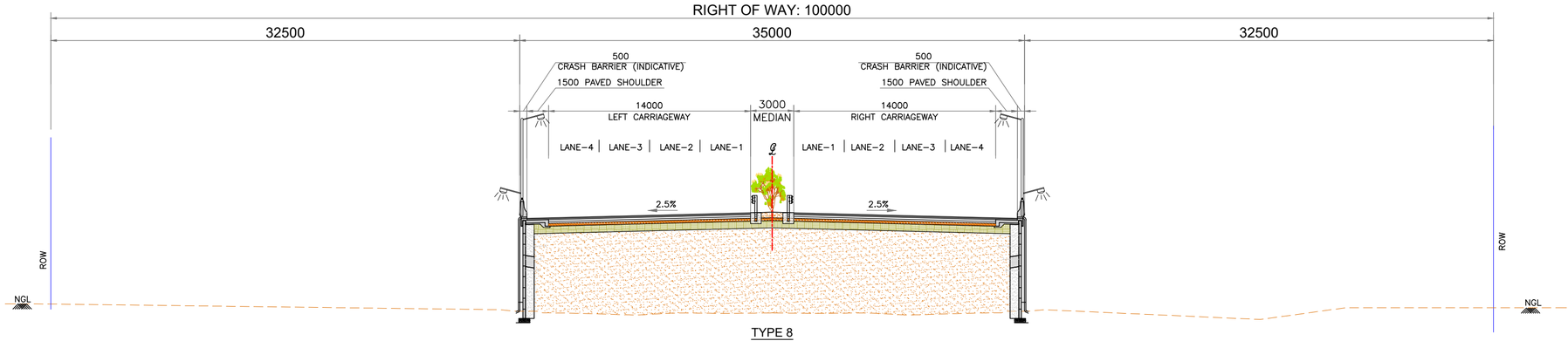


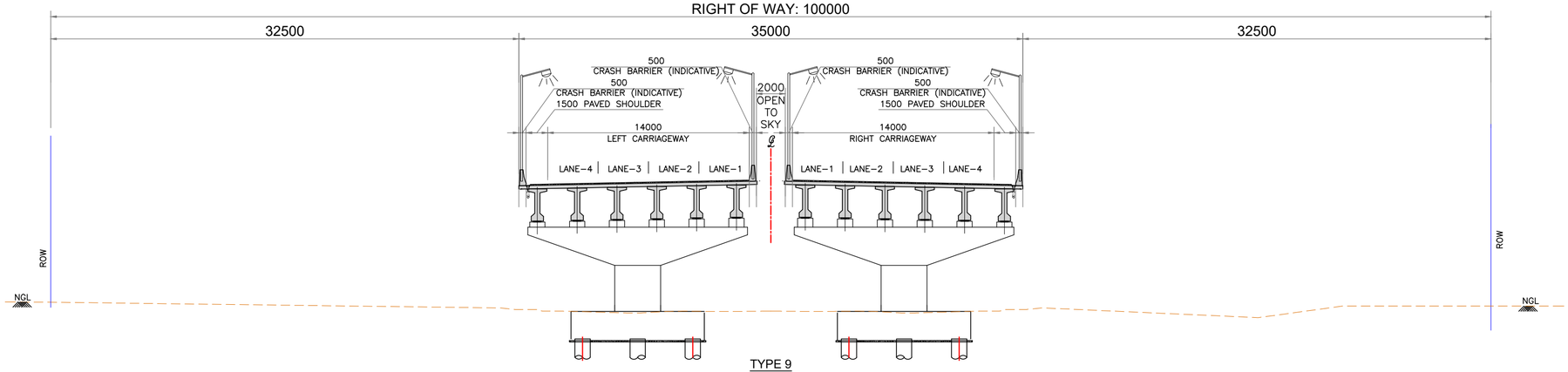

TYPE 7

STRUCTURE PORTION - ROB / WATER BODY




TYPE 8

APPROACH PORTION - WATER BODY / FOREST AREA




TYPE 9

STRUCTURE PORTION - WATER BODY / FOREST AREA

## NOTES :

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
2. DETAILS OF STRUCTURE, DRAIN, CRASH BARRIER, MISCELLANEOUS DETAILS & PAVEMENT LAYERS SHOWN IN THE DRAWING ARE INDICATIVE, WHICH SHALL BE AS PER RELEVANT DRAWINGS / DESIGNS.
3. RETAINING WALL (RCC WALL/RE WALL) WILL BE REQUIRED AT FOLLOWING LOCATIONS OF
   * HIGH EMBANKMENT / CUTTING
   * WHERE SLOPE LINE OF ROAD SPILLS BEYOND ROW.

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13–01–26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

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|---|---|---|---|---|---|---|
| ☑ APPROVAL | | ☐ CONSTRUCTION | | | | |
| ☐ INFORMATION | | ☐ TENDER | | | | |
| ☐ DRAFT | | ☐ PRELIMNARY | | | | |
| RELEASED FOR | | | | | | |
| GIS | | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE | |
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4th Floor, Millers Road
Bengaluru – 560 052
Tel.: 080 – 40 39 79 79
Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: TYPICAL CROSS SECTIONS TYPE 7, 8 & 9

DRG.NO.: N0533/E/HWY/RD–03 (R0)

DATE: 13–01–2026

DRAWN: NRG

PREPARED: ADJ

CHECKED: SP

APPROVED: AC

SCALE: 1:250

A2

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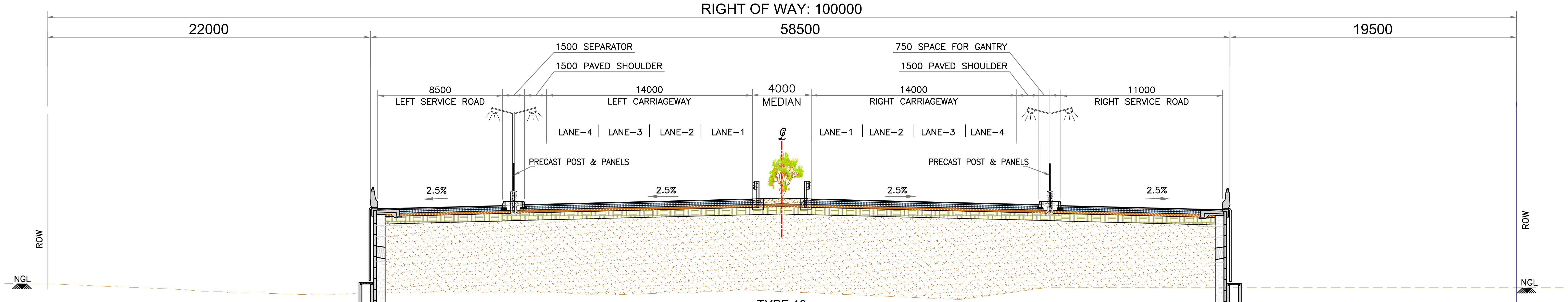
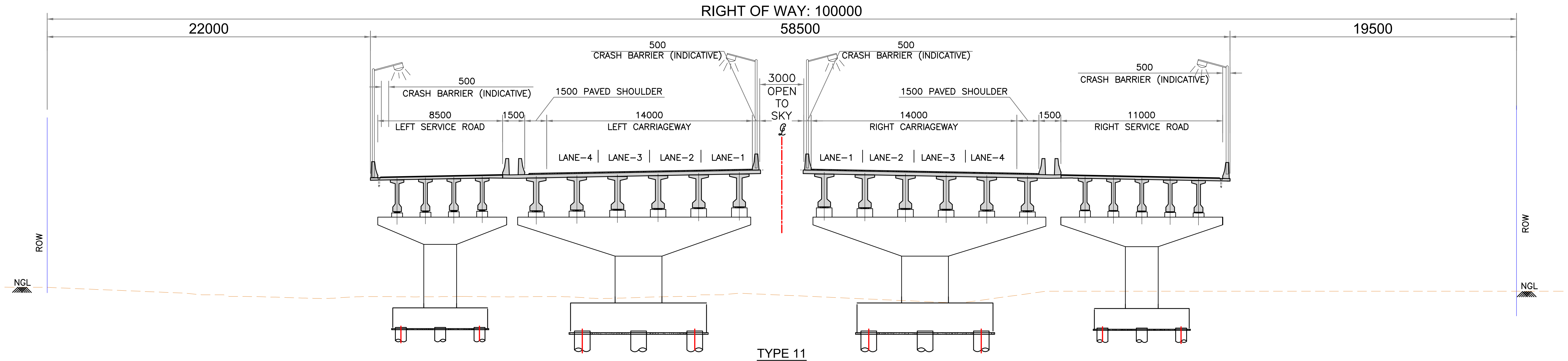


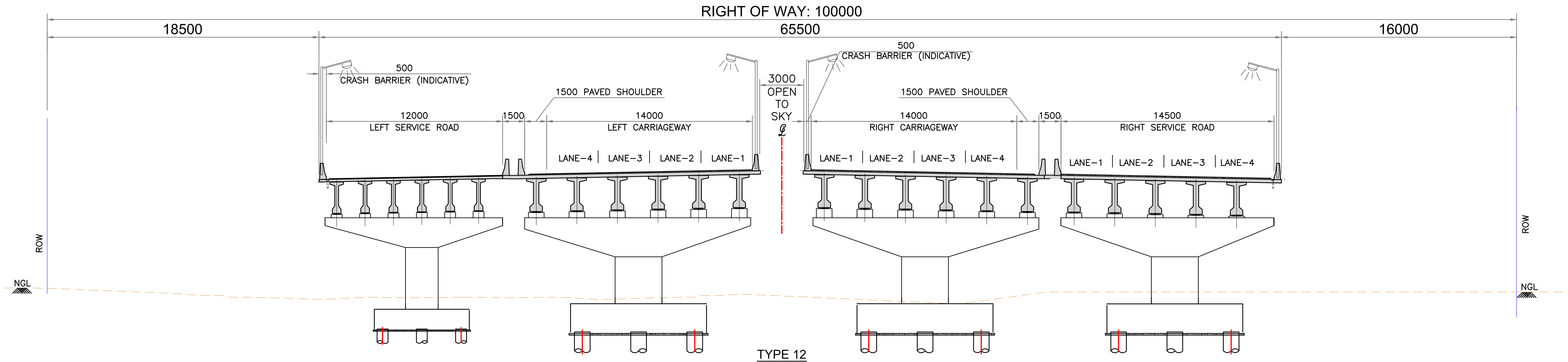

TYPE 10

FLYOVER APPROACH PORTION AT JUNCTION




TYPE 11

FLYOVER STRUCTURE PORTION AT JUNCTION (TYPE -01)




TYPE 12

FLYOVER STRUCTURE PORTION AT JUNCTION (TYPE -02)

(CLOVER LEAF LOCATION)

## NOTES :

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
2. DETAILS OF STRUCTURE, DRAIN, CRASH BARRIER, MISCELLANEOUS DETAILS & PAVEMENT LAYERS SHOWN IN THE DRAWING ARE INDICATIVE, WHICH SHALL BE AS PER RELEVANT DRAWINGS / DESIGNS.
3. RETAINING WALL (RCC WALL/RE WALL) WILL BE REQUIRED AT FOLLOWING LOCATIONS OF
   * HIGH EMBANKMENT / CUTTING
   * WHERE SLOPE LINE OF ROAD SPILLS BEYOND ROW.

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

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|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

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OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: TYPICAL CROSS SECTIONS TYPE 10, 11 & 12

DRG.NO.: N0533/E/HWY/RD-04 (R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: 1:250

A2

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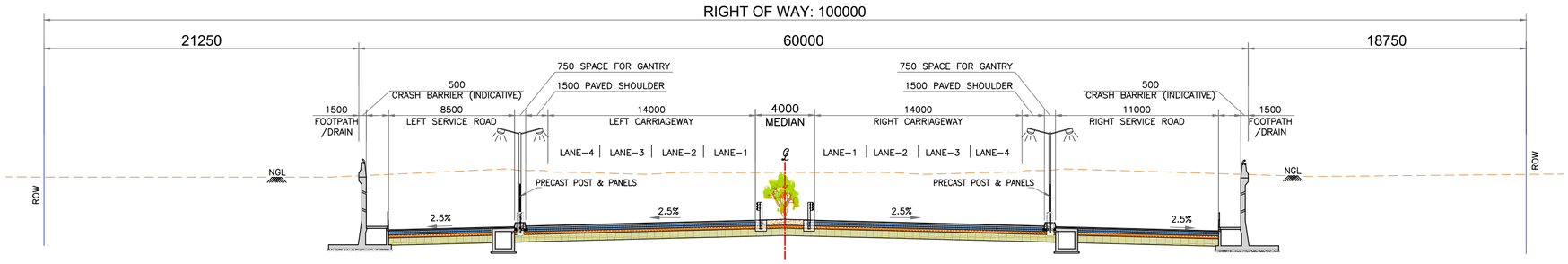
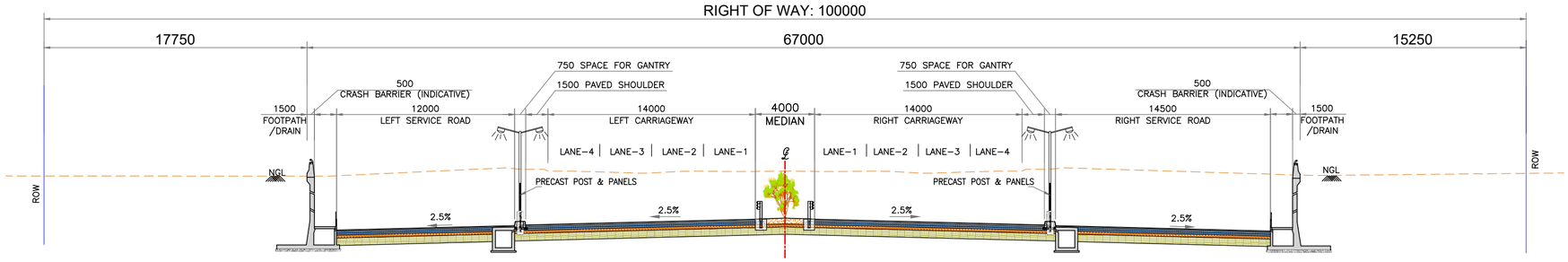


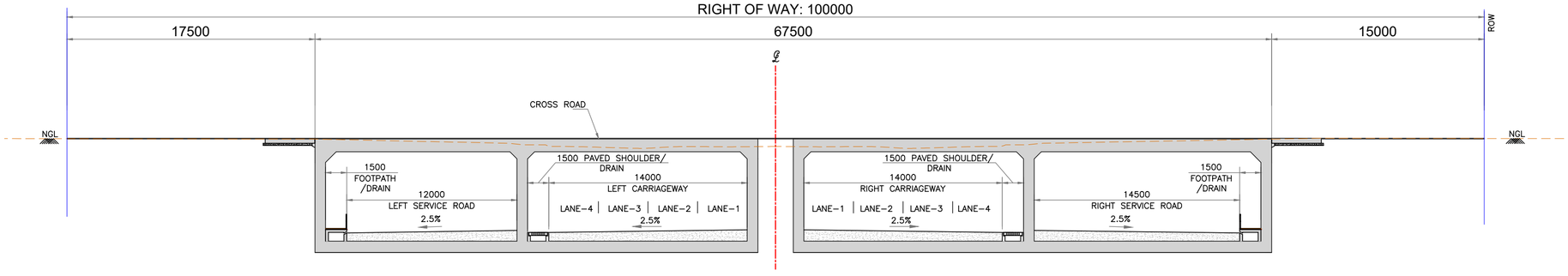

TYPE 13

UNDERPASS APPROACH PORTION AT JUNCTION (TYPE -01)




TYPE 14

UNDERPASS APPROACH PORTION AT JUNCTION (TYPE -02)




TYPE 15

UNDERPASS BOX PORTION AT JUNCTION

## NOTES :

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
2. DETAILS OF STRUCTURE, DRAIN, CRASH BARRIER, MISCELLANEOUS DETAILS & PAVEMENT LAYERS SHOWN IN THE DRAWING ARE INDICATIVE, WHICH SHALL BE AS PER RELEVANT DRAWINGS / DESIGNS.
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   * WHERE SLOPE LINE OF ROAD SPILLS BEYOND ROW.

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | MAJOR STRUCTURES | | |
| HIGHWAYS | | | IRRIGATION/ WATER RESOURCES | | |
| ELECTRICAL | | | PHE / PLUMBING/ FIREFIGHTING | | |
| BUILDINGS | | | MECHANICAL / HVAC | | |
| ARCHITECTURE | | | | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

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OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: TYPICAL CROSS SECTIONS TYPE 13, 14 & 15

DRG.NO.: N0533/E/HWY/RD-05 (R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: 1:250

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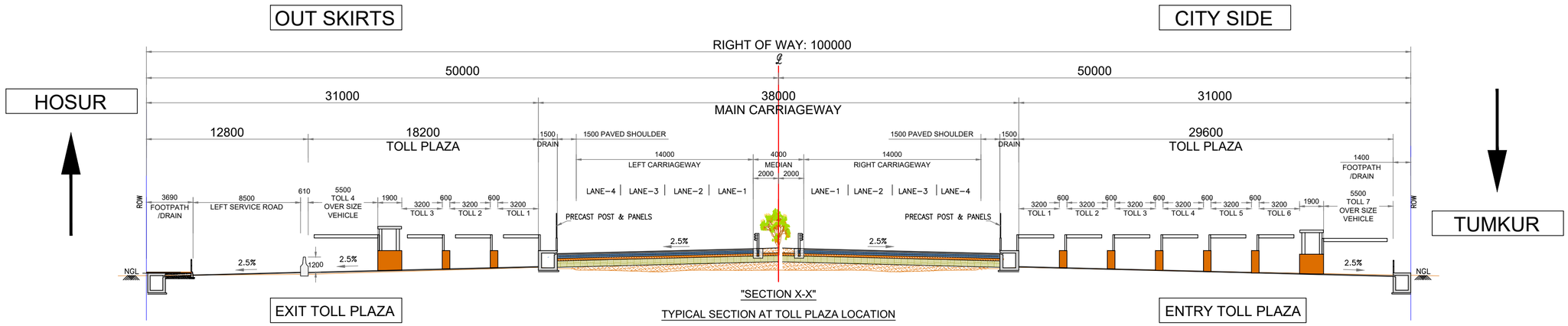


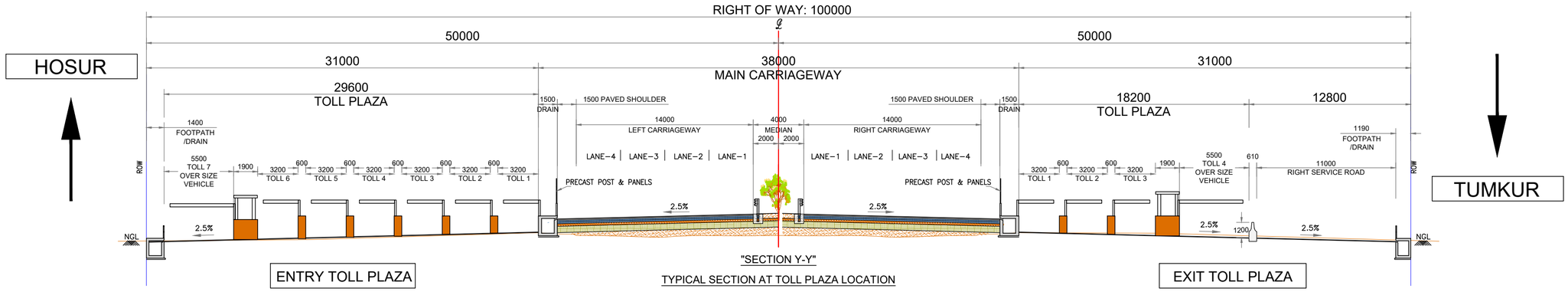


NOTES :

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2. DETAILS OF STRUCTURE, DRAIN, CRASH BARRIER, MISCELLANEOUS DETAILS & PAVEMENT LAYERS SHOWN IN THE DRAWING ARE INDICATIVE, WHICH SHALL BE AS PER RELEVANT DRAWINGS / DESIGNS.
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   * WHERE SLOPE LINE OF ROAD SPILLS BEYOND ROW.

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

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☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

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| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
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| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

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OFFICE OF ORIGIN : #88, JP & Devi Jambulashwar Arcade 4th Floor, Millers Road Bengaluru - 560 052 Tel.: 080 - 40 39 79 79 Email : bangalore@asystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: TYPICAL CROSS SECTIONS AT TOLL PLAZA

DRG.NO.: N0533/E/HWY/RD-06 (R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: 1:250

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## ABBREVIATIONS

| | |
|---|---|
| AC :– | BUILDIING–ACS |
| AR :– | ARECANUT TREE |
| AT :– | ASHOKA TREE |
| ATPL :– | ARECANUT PLANTAION |
| BBT :– | BAMBOO TREE |
| BE :– | BITUMINOS ROAD |
| BL :– | BUILDING–RCC |
| BR :– | BRIDGE |
| BSS :– | BUS STOP |
| BTPL :– | BANANA PLANTAION |
| BT:– | BANANA TREE |
| BW:– | BOREWELL |
| CE :– | CUTTING TOP |
| CH :– | CHAMBER |
| CL :– | CULVERT |
| CTPL :– | COCONUT PLANTAION |
| CW :– | COMPOUND WALL |
| DR :– | DRIAN |
| EP :– | ELECTRIC SWITCH BOX |
| EPB :– | ELECTRIC POWER POLE |
| ET :– | EUCALYPTUS TREE |
| ETPL :– | EUCALYPTUS PLANTAION |
| FB :– | FIELD BUND |
| FE :– | FENCE |
| FP :– | FLAG POST |
| GA :– | GATE |
| GL :– | GAS LINE |
| GPL :– | GRAPES PLANTAION |
| GR :– | GRILL |
| GRY :– | GRAVEYARD |
| HP :– | HANDPUMP |
| HT :– | HITENSION LINE |
| JFT :– | JACKFRUIT TREE |
| KM :– | KILOMETER STONE |
| L :– | SPOT LEVEL |
| LP :– | LAMP POST |
| MD :– | MEDIAN |

## ABBREVIATIONS

| | |
|---|---|
| MH :– | MAN HOLES |
| MR :– | MUD ROAD |
| MT :– | MANGO TREE |
| MTPL :– | MANGO PLANTATION |
| NB :– | NAME BOARD |
| NL :– | NALA |
| NT :– | NEEM TREE |
| OFC :– | OPTIC FIBER CABEL |
| OT :– | OTHER TREE |
| PO :– | POND |
| PF:– | PLATFORM |
| PH:– | BUILDIN–PUMPHOUSE |
| PIT :– | PIT |
| PT :– | PALM TREE |
| RC :– | ROCK |
| RD :– | ROAD |
| RE :– | ROAD EDGE |
| RT :– | RAILWAY TRACK |
| RV :– | RIVER |
| RW :– | RETAINING WALL |
| ROW :– | RAILWAY BOUNDRY |
| SB :– | SIGN BOARD |
| SD :– | SILVER WOOD TREE |
| SDPL :– | SILVER WOOD PLANTATION |
| SL :– | SLAB |
| SS :– | SURVEY STONE |
| ST :– | SAPOTA TREE |
| STPL :– | SAPOTA PLANTATION |
| STR :– | STEMPS |
| SU :– | SUMP |
| SW :– | STONEWALL |
| SWB :– | SWITCH BOX |
| SYT :– | SURVEY TREE |
| TB :– | BUND TOP |
| TEM :– | TEMPLE |
| TF :– | TRANSFORMER |
| TH :– | BUILDING–TILED |

## ABBREVIATIONS

| | |
|---|---|
| TOMB :– | TOMB |
| TP :– | TELEPHONE POLE |
| TBP :– | TELEPHONE BOX |
| TT :– | TAMARIND TREE |
| TW :– | TEAK WOOD TREE |
| TWPL :– | TEAK WOOD PLANTATION |
| UC :– | BUILDING–UNDERCONSTRUCTURE |
| VT :– | VENT |
| WELL :– | WELL |
| WL :– | WATER LIMIT |
| WR :– | WEIR |
| WT :– | WATER TANK |
| WV :– | WATER VALVE |
| XT :– | CHRISTMAS TREE |

## LEGEND FOR FEATURES

| | |
|---|---|
| COMPOUND WALL, WIRE FENCE | |
| TELEPHONE LINE | |
| POWER LINE, HIGH TENSION LINE | |
| ELECTRIC POWER POLE | EP |
| ROAD BOUNDARY STONE | RB |
| HIGH TENSION TOWER | |
| RAILWAY TRACK | |
| ROAD: METALLED, UNMETALLED, CART TRACK | |
| BUILDING: PERMANENT, TEMPORARY, HUT | RCC ACS HUT |
| TEMPLE, MOSQUE, CHURCH, PUMP HOUSE | PH |
| CULVERT/BRIDGE, WEIR | |
| STREAM: DEFINED, UNDEFINED, DRAIN/CANAL | |
| EMBANKMENT, CUTTING, CULTIVATION LIMIT | |
| TREES: JUNGLE,MANGO, NEEM,TAMARINDS, OTHERS | |
| WELL, BOREWELL, WATER TANK | BW |
| SHEET ROCK, CONTOUR LEVEL | |
| VILLAGE BOUNDARY LIMIT | |
| HEIGHTS: T.B.M, TRAVERSE POINT | TBM4⊞(563.695)⊞A1 |
| SPOT LEVEL, TANK | 560.664 |

## NOTES:

1. REFERENCE LINE FOR HORIZONTAL ALIGNMENT SET OUT IS DESIGNED ALONG CENTRE LINE OF PROPOSED MEDIAN.
2. CHAINAGES INDICATED IN PLAN & PROFILE DRAWINGS FOR CROSS SECTION IS W.R.T. CENTRE LINE OF PROPOSED MEDIAN.
3. ROAD LEVELS INDICATED FOR THE RIGHT & LEFT MAIN CARRIAGEWAY IN THE PLAN & PROFILE DWG ARE TAKEN ALONG THE KERB BOTTOM OF THE CENTRAL MEDIAN
4. SUPERELEVATION INDICATED IN PLAN AND PROFILE DRAWINGS IS ROTATED W.R.T. MEDIAN KERB EDGES OF RESPECTIVE CARRIAGEWAYS.
5. FINISHED ROAD TOP LEVELS ARE CONSIDERED AS FOLLOWS:
   PROPOSED LEFT CARRIAGEWAY : EDGE OF LEFT MEDIAN KERB.
   PROPOSED RIGHT CARRIAGEWAY : EDGE OF RIGHT MEDIAN KERB.
6. CHAINAGES FOR CROSS DRAINAGE STRUCTURES INDICATED IN PLAN AND PROFILE DRAWINGS FOR NORMAL CROSS SECTION ARE DEDUCED FROM REFERENCE LINE CHAINAGES. W.R.T CENTRE LINE OF PROPOSED MEDIAN.

## GENERAL NOTES:

1. MATERIAL SPECIFICATIONS AND WORK SPECIFICATIONS SHALL BE IN ACCORDANCE WITH "MORT&H SPECIFICATIONS FOR ROAD AND BRIDGE WORKS" – V REVISION AND IRC:37–2018 FOR COMPLETE ROAD CONSTRUCTURE UNLESS OTHERWISE SPECIFIED.
2. FOLLOWING SPECIFICATIONS OF MORT&H SHALL BE FOLLOWED FOR MATERIAL SELECTION AND CONSTRUCTURE FOR DIFFERENT PAVEMENT LAYERS:
   - EARTHWORK IN EMBANKMENT : CLAUSE 305
   - EARTHWORK IN CUTTING : CLAUSE 301
   - SUBGRADE & EARTHEN SHOULDER : CLAUSE 305
   - STONE MATRIX ASPHALT : CLAUSE 515 & IRC:SP: 079
   - DENSE BITUMINOUS MACADAM (DBM) : CLAUSE 505
   - BITUMINOUS CONCRETE (BC) : CLAUSE 507 & IRC:SP: 053 (WITH MODIFIED BINDER)
   - PAVEMENT QUALITY CONCRETE : CLAUSE 602
   - DRY LEAN CONCRETE : CLAUSE 601
3. COMPACTION REQUIREMENTS FOR EARTHWORKS SHALL BE AS FOLLOWS:
   - EMBANKMENT : 95%
   - SUBGRADE : 97%
   - EARTHEN SHOULDER / GRANULAR SHOULDER / MEDIAN FILL / CORRIDOR : 97%
4. SUBGRADE CBR SHALL NOT BE LESS THAN 10% (MIN)
5. IF THE DIFFERENCE BETWEEN NATURAL GROUND LEVEL AND FINIHSED ROAD LEVEL IS LESS THAN 500MM, THEN THE GROUND SHALL BE LOOSENED AND RECOMPACTED TO ACHIEVE 97% OF DRY DENSITY.
6. UNSUITABLE MATERIAL / SOIL ENCOUNTERED DURING PAVEMENT FOMRATION SHALL BE REMOVED AND REFILLED WITH SELECT FILL MATERIAL AND COMPACTED IN LAYERS.
7. FINISHED ROAD LEVEL (FRL) IS MEASURED ON KERB EDGES OF RESPECTIVE CARRIAGEWAYS OF MAIN ROAD, CENTERLINE OF CARRIAGEWAY FOR SERVICE ROADS.
8. PAVEMENT COMPOSITION FOR MAIN ROAD AND SERVICE ROAD ARE FURNISHED IN TABLE–1

## TABLE-1 : PAVEMENT COMPOSITION

| PAVEMENT LAYERS | SECTION I 0.00 TO 19800 | SECTION II 19800 TO 37100 | SECTION III 37100 TO 66518.219 | SERVICE ROAD |
|---|---|---|---|---|
| **MAIN ROAD** | **FLEXIBLE** | | | |
| BITUMINOUS CONCRETE | 50 | 50 | 50 | 40 |
| DENSE BITUMINOUS MACADAM | 85 | 100 | 110 | 70 |
| WET MIX MACADAM | 250 | 250 | 250 | 250 |
| GRANULAR SUBBASE | 200 | 200 | 200 | 300 |
| CBR FOR SUBGRADE 10% minimum | 500 | 500 | 500 | 500 |
| **TOTAL CRUST** | **1085** | **1100** | **1110** | **1160** |

NOTES :

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13–01–26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | | |
|---|---|---|---|---|---|---|
| GIS | | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE | |

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OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru – 560 052. Tel.: 080 – 40 39 79 79 Email : bangalore@asssystem.com
OWNER: BANGALORE DEVELOPMENT AUTHORITY
CONTRACTOR:
PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)
TITLE: GENERAL NOTES, LEGENDS & ABBREVIATIONS
DRG.NO.: N0533/E/HWY/RD–08 (R0)

| | |
|---|---|
| DATE | 13–01–2026 |
| DRAWN | NRG |
| PREPARED | ADJ |
| CHECKED | SP |
| APPROVED | AC |
| SCALE: | 1:250 |

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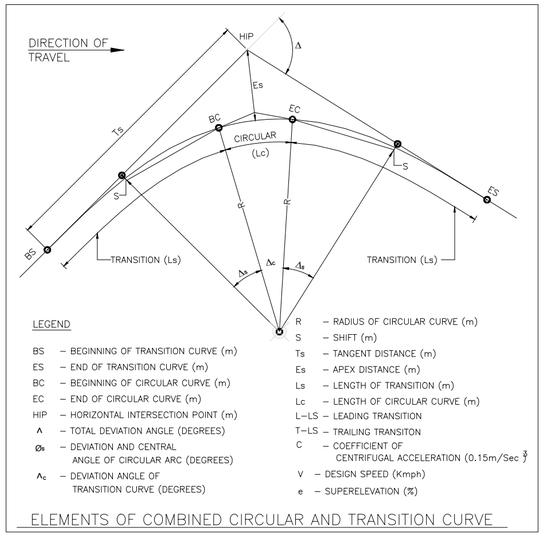
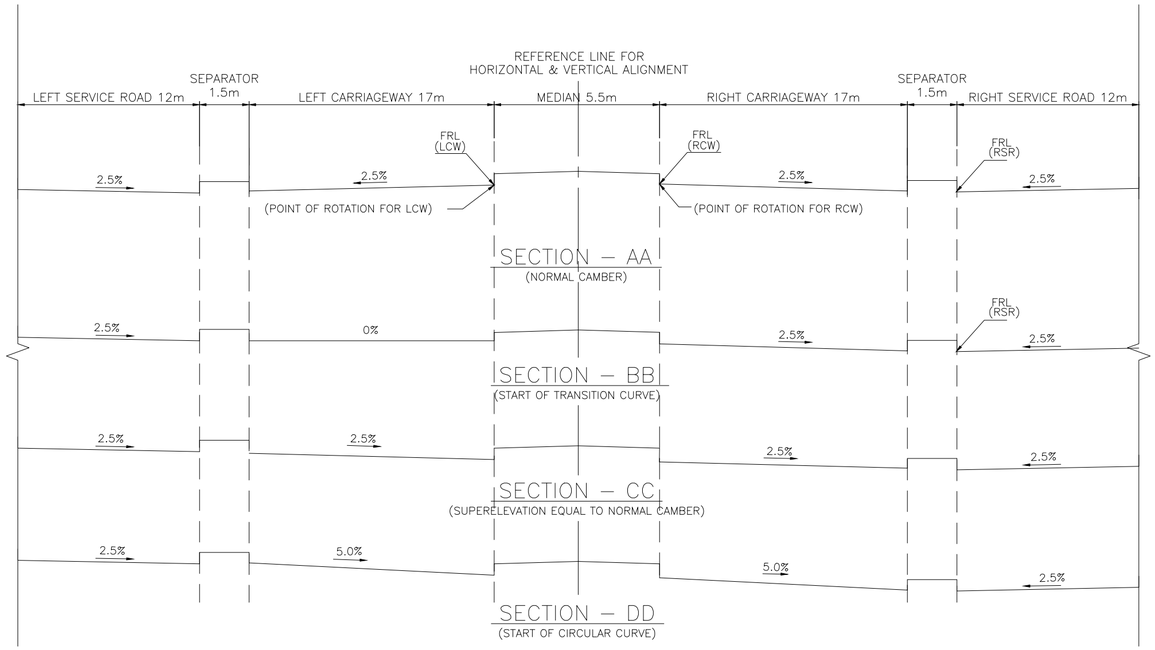
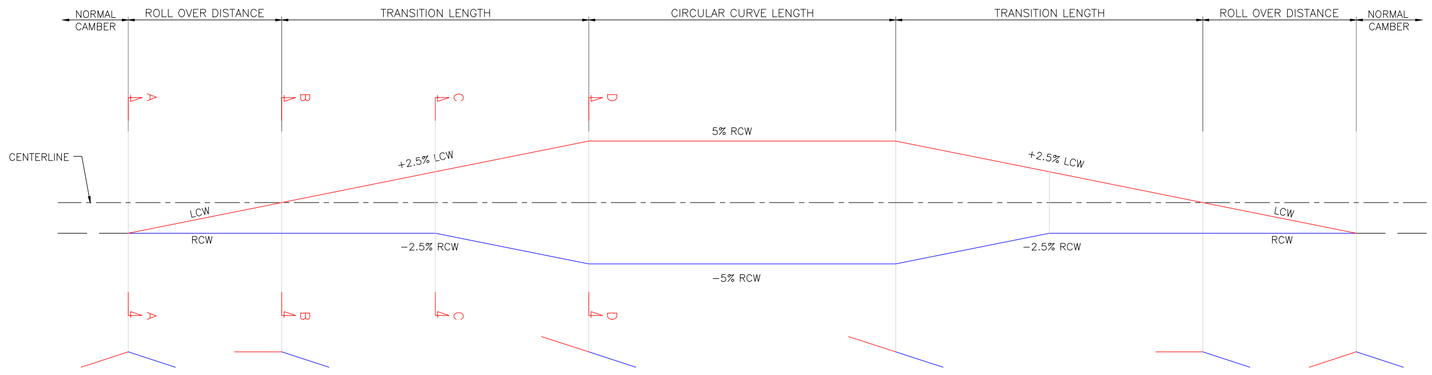



ELEMENTS OF COMBINED CIRCULAR AND TRANSITION CURVE




ATTAINMENT OF SUPERELEVATION – MAIN CARRIAGEWAY PAVEMENT ROTATED ABOUT MEDIAN KERB EDGES)

(RIGHT HAND CURVE)




(SCHEMATIC DIAGRAM OF ATTAINMENT OF SUPERELEVATION PAVEMENT ROTATED ABOUT MEDIAN KERB EDGES RIGHT HAND CURVE)

NOTES :

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13–01–26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

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OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS

DRG.NO.: N0533/E/HWY/RD–09 (R0)

DATE: 13–01–2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: 1:250

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## Horizontal Alignment Report

| HIP/Curve No. | HIP | | Deflection | Element | Start | | | End | | | Length | Chord Length | Bearing | Radius | Hand Of Arc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | | | Chainage | Easting | Northing | Chainage | Easting | Northing | | | | | |
| | | | | Straight | 0.000 | 768635.643 | 1444623.711 | 394.433 | 768689.131 | 1445014.5 | 394.433 | | N 07° 47' 37.0826" E | | |
| 1 | 768689.631 | 1445018.155 | 01° 03' 23.7763" | Arc | 394.433 | 768689.131 | 1445014.5 | 401.809 | 768690.198 | 1445021.799 | 7.376 | | | 400 | RIGHT |
| | | | | Straight | 401.809 | 768690.198 | 1445021.799 | 1120.887 | 768800.83 | 1445732.315 | 719.078 | | N 08° 51' 00.8588" E | | |
| 2 | 768822.148 | 1445869.231 | 08° 48' 14.3675" | Arc | 1120.887 | 768800.83 | 1445732.315 | 1397.472 | 768864.172 | 1446001.271 | 276.586 | | | 1800 | RIGHT |
| | | | | Straight | 1397.472 | 768864.172 | 1446001.271 | 1523.049 | 768902.255 | 1446120.933 | 125.576 | | N 17° 39' 15.2264" E | | |
| | | | | Transition | 1523.049 | 768902.255 | 1446120.933 | 1613.049 | 768928.628 | 1446206.978 | 90 | 89.996 | | | |
| 3 | 768946.219 | 1446269.09 | 05° 16' 48.5332" | Arc | 1613.049 | 768928.628 | 1446206.978 | 1742.067 | 768958.019 | 1446332.557 | 129.018 | | | 1400 | LEFT |
| | | | | Transition | 1742.067 | 768958.019 | 1446332.557 | 1832.067 | 768972.57 | 1446421.369 | 90 | 89.996 | | | |
| | | | | Straight | 1832.067 | 768972.57 | 1446421.369 | 2151.639 | 769020.858 | 1446737.272 | 319.572 | | N 08° 41' 26.8128" E | | |
| | | | | Transition | 2151.639 | 769020.858 | 1446737.272 | 2286.639 | 769044.837 | 1446870.085 | 135 | 134.961 | | | |
| 4 | 769096.37 | 1447087.703 | 29° 59' 13.1810" | Arc | 2286.639 | 769044.837 | 1446870.085 | 2723.655 | 769249.771 | 1447250.434 | 437.015 | | | 835 | RIGHT |
| | | | | Transition | 2723.655 | 769249.771 | 1447250.434 | 2858.655 | 769347.501 | 1447343.51 | 135 | 134.961 | | | |
| | | | | Straight | 2858.655 | 769347.501 | 1447343.51 | 3009.235 | 769459.301 | 1447444.383 | 150.581 | | N 47° 56' 28.1960" E | | |
| 5 | 769517.663 | 1447497.041 | 07° 29' 44.4236" | Arc | 3009.235 | 769459.301 | 1447444.383 | 3166.224 | 769582.396 | 1447541.635 | 156.989 | | | 1200 | RIGHT |
| | | | | Straight | 3166.224 | 769582.396 | 1447541.635 | 3385.509 | 769762.977 | 1447666.039 | 219.285 | | N 55° 26' 12.6196" E | | |
| 6 | 769879.3 | 1447746.174 | 25° 59' 35.7813" | Arc | 3385.509 | 769762.977 | 1447666.039 | 3663.154 | 769948.735 | 1447869.183 | 277.645 | | | 612 | LEFT |
| | | | | Straight | 3663.154 | 769948.735 | 1447869.183 | 4250.259 | 770237.336 | 1448380.457 | 587.104 | | N 29° 26' 36.8383" E | | |
| | | | | Transition | 4250.259 | 770237.336 | 1448380.457 | 4355.259 | 770292.091 | 1448469.99 | 105 | 104.949 | | | |
| 7 | 770293.458 | 1448471.909 | 00° 32' 23.7356" | Arc | 4355.259 | 770292.091 | 1448469.99 | 4359.970 | 770294.843 | 1448473.815 | 4.712 | | | 500 | RIGHT |
| | | | | Transition | 4359.970 | 770294.843 | 1448473.815 | 4464.970 | 770362.317 | 1448554.198 | 105 | 104.949 | | | |
| | | | | Straight | 4464.970 | 770362.317 | 1448554.198 | 5400.178 | 770988.282 | 1449249.022 | 935.208 | | N 42° 00' 56.1832" E | | |
| | | | | Transition | 5400.178 | 770988.282 | 1449249.022 | 5450.178 | 771021.594 | 1449286.309 | 50 | 50 | | | |
| 8 | 771033.598 | 1449299.973 | 01° 02' 31.3812" | Arc | 5450.178 | 771021.594 | 1449286.309 | 5486.553 | 771045.351 | 1449313.853 | 36.374 | | | 2000 | LEFT |
| | | | | Transition | 5486.553 | 771045.351 | 1449313.853 | 5536.553 | 771077.343 | 1449352.278 | 50 | 50 | | | |
| | | | | Straight | 5536.553 | 771077.343 | 1449352.278 | 5668.435 | 771161.303 | 1449453.981 | 131.882 | | N 39° 32' 28.1818" E | | |
| | | | | Transition | 5668.435 | 771161.303 | 1449453.981 | 5718.435 | 771193.263 | 1449492.433 | 50 | 50 | | | |
| 9 | 771211.214 | 1449513.74 | 01° 16' 37.0587" | Arc | 5718.435 | 771193.263 | 1449492.433 | 5774.153 | 771229.635 | 1449534.641 | 55.718 | | | 2500 | RIGHT |
| | | | | Transition | 5774.153 | 771229.635 | 1449534.641 | 5824.153 | 771262.944 | 1449571.93 | 50 | 50 | | | |
| | | | | Straight | 5824.153 | 771262.944 | 1449571.93 | 6493.021 | 771710.191 | 1450069.276 | 668.868 | | N 41° 57' 50.5366" E | | |
| | | | | Transition | 6493.021 | 771710.191 | 1450069.276 | 6603.021 | 771785.152 | 1450149.762 | 110 | 109.987 | | | |
| 10 | 771800.932 | 1450165.561 | 02° 26' 11.7480" | Arc | 6603.021 | 771785.152 | 1450149.762 | 6647.673 | 771817.369 | 1450180.675 | 44.653 | | | 1050 | RIGHT |
| | | | | Transition | 6647.673 | 771817.369 | 1450180.675 | 6757.673 | 771900.882 | 1450252.248 | 110 | 109.987 | | | |
| | | | | Straight | 6757.673 | 771900.882 | 1450252.248 | 8595.404 | 773316.94 | 1451423.586 | 1837.73 | | N 50° 24' 10.9787" E | | |
| 11 | 773395.871 | 1451488.876 | 04° 39' 19.5783" | Arc | 8595.404 | 773316.94 | 1451423.586 | 8800.160 | 773479.841 | 1451547.544 | 204.757 | | | 2520 | RIGHT |
| | | | | Straight | 8800.160 | 773479.841 | 1451547.544 | 9331.790 | 773915.637 | 1451852.029 | 531.629 | | N 55° 03' 30.5570" E | | |
| 12 | 774008.425 | 1451916.859 | 02° 53' 29.2214" | Arc | 9331.790 | 773915.637 | 1451852.029 | 9558.127 | 774097.825 | 1451986.287 | 226.337 | | | 4485 | LEFT |
| | | | | Straight | 9558.127 | 774097.825 | 1451986.287 | 9763.167 | 774259.766 | 1452112.051 | 205.041 | | N 52° 10' 01.3356" E | | |
| | | | | Transition | 9763.167 | 774259.766 | 1452112.051 | 9893.167 | 774364.238 | 1452189.371 | 130 | 129.972 | | | |
| 13 | 774412.37 | 1452221.654 | 07° 05' 37.6622" | Arc | 9893.167 | 774364.238 | 1452189.371 | 10008.930 | 774464.12 | 1452247.745 | 115.762 | | | 935 | RIGHT |
| | | | | Transition | 10008.930 | 774464.12 | 1452247.745 | 10138.930 | 774582.762 | 1452300.817 | 130 | 129.972 | | | |
| | | | | Straight | 10138.930 | 774582.762 | 1452300.817 | 10344.869 | 774772.648 | 1452380.532 | 205.939 | | N 67° 13' 37.5270" E | | |
| 14 | 774902.451 | 1452435.024 | 08° 03' 09.5836" | Arc | 10344.869 | 774772.648 | 1452380.532 | 10625.960 | 775038.607 | 1452470.796 | 281.091 | | | 2000 | RIGHT |
| | | | | Straight | 10625.960 | 775038.607 | 1452470.796 | 11291.438 | 775682.244 | 1452639.894 | 665.479 | | N 75° 16' 47.1105" E | | |
| | | | | Transition | 11291.438 | 775682.244 | 1452639.894 | 11376.438 | 775764.658 | 1452660.687 | 85 | 84.997 | | | |
| 15 | 775819.553 | 1452673.402 | 04° 27' 03.1885" | Arc | 11376.438 | 775764.658 | 1452660.687 | 11489.078 | 775875.269 | 1452681.818 | 112.64 | | | 1450 | RIGHT |
| | | | | Transition | 11489.078 | 775875.269 | 1452681.818 | 11574.078 | 775959.544 | 1452692.869 | 85 | 84.997 | | | |
| | | | | Straight | 11574.078 | 775959.544 | 1452692.869 | 13306.567 | 777679.446 | 1452901.324 | 1732.488 | | N 83° 05' 21.6843" E | | |
| 16 | 777823.554 | 1452918.79 | 08° 18' 09.4760" | Arc | 13306.567 | 777679.446 | 1452901.324 | 13596.383 | 777968.674 | 1452915.264 | 289.817 | | | 2000 | RIGHT |
| | | | | Straight | 13596.383 | 777968.674 | 1452915.264 | 14198.072 | 778570.184 | 1452900.647 | 601.689 | | S 88° 36' 28.8397" E | | |
| | | | | Transition | 14198.072 | 778570.184 | 1452900.647 | 14328.072 | 778700.005 | 1452894.398 | 130 | 129.971 | | | |
| 17 | 778752.811 | 1452889.328 | 06° 40' 21.4589" | Arc | 14328.072 | 778700.005 | 1452894.398 | 14434.050 | 778804.67 | 1452878.156 | 105.978 | | | 910 | RIGHT |
| | | | | Transition | 14434.050 | 778804.67 | 1452878.156 | 14564.050 | 778930.279 | 1452844.768 | 130 | 129.971 | | | |
| | | | | Straight | 14564.050 | 778930.279 | 1452844.768 | 15347.833 | 779682.751 | 1452625.446 | 783.784 | | S 73° 45' 00.9799" E | | |
| 18 | 779814.29 | 1452587.106 | 07° 50' 16.7855" | Arc | 15347.833 | 779682.751 | 1452625.446 | 15621.431 | 779939.372 | 1452531.187 | 273.598 | | | 2000 | RIGHT |
| | | | | Straight | 15621.431 | 779939.372 | 1452531.187 | 16884.049 | 781092.043 | 1452015.868 | 1262.618 | | S 65° 54' 44.1944" E | | |
| 19 | 781308.96 | 1451918.893 | 10° 56' 43.8227" | Arc | 16884.049 | 781092.043 | 1452015.868 | 17357.816 | 781540.343 | 1451864.868 | 473.767 | | | 2480 | LEFT |
| | | | | Straight | 17357.816 | 781540.343 | 1451864.868 | 18396.796 | 782552.11 | 1451628.637 | 1038.98 | | S 76° 51' 28.0171" E | | |
| | | | | Transition | 18396.796 | 782552.11 | 1451628.637 | 18531.796 | 782682.611 | 1451594.245 | 135 | 134.957 | | | |
| 20 | 783088.36 | 1451462.355 | 56° 26' 29.3967" | Arc | 18531.796 | 782682.611 | 1451594.245 | 19314.942 | 783202.746 | 1451051.329 | 783.147 | | | 795 | RIGHT |
| | | | | Transition | 19314.942 | 783202.746 | 1451051.329 | 19449.942 | 783231.515 | 1450919.474 | 135 | 134.957 | | | |
| | | | | Straight | 19449.942 | 783231.515 | 1450919.474 | 19970.061 | 783327.966 | 1450408.377 | 520.119 | | S 10° 41' 12.5212" E | | |

NOTES :

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13–01–26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

- [x] APPROVAL
- [ ] CONSTRUCTION
- [ ] INFORMATION
- [ ] TENDER
- [ ] DRAFT
- [ ] PRELIMNARY

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| | | | | | | |
|---|---|---|---|---|---|---|
| GIS | | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE | |

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STUP Consultants Pvt. Ltd.
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OWNER: BANGALORE DEVELOPMENT AUTHORITY

DATE: 13–01–2026

CONTRACTOR

DRAWN: NRG

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

PREPARED: ADJ

CHECKED: SP

TITLE: HORIZONTAL ALIGNMENT REPORT MAIN CARRIAGEWAY FROM CH: 0+000 TO 19+800

APPROVED: AC

DRG.NO.: N0533/E/HWY/RD–10 (R0)

SCALE: 1:250

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**Vertical Alignment: PRR Centre**

| PVI No. | PVI | | Element | Start | | End | | Length | Grade In | Grade Out | Type | K-Value | A-Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chainage | RL | | Chainage | RL | Chainage | RL | | | | | | |
| | | | | 0 | 865.408 | | | | | | | | |
| 1 | 95.032 | 867.631 | Curve | 60.577 | 866.825 | 129.487 | 867.708 | 68.91 | | | Summit | 32.6 | 2.114 |
| | | | Grade | 129.487 | 867.708 | 830.030 | 869.284 | 700.543 | 2.34% | 0.23% | | | |
| 2 | 860.030 | 869.352 | Curve | 830.030 | 869.284 | 890.030 | 869.262 | 60 | | | Summit | 114.287 | 0.525 |
| | | | Grade | 890.030 | 869.262 | 1152.503 | 868.474 | 262.473 | 0.23% | -0.30% | | | |
| 3 | 1185.282 | 868.376 | Curve | 1152.503 | 868.474 | 1218.061 | 869.578 | 65.558 | | | Valley | 16.529 | 3.966 |
| | | | Grade | 1218.061 | 869.578 | 1476.457 | 879.051 | 258.396 | -0.30% | 3.67% | | | |
| 4 | 1520.000 | 880.647 | Curve | 1476.457 | 879.051 | 1563.543 | 880.647 | 87.086 | | | Summit | 23.754 | 3.666 |
| | | | Grade | 1563.543 | 880.647 | 1662.115 | 880.647 | 98.572 | 3.67% | 0.00% | | | |
| 5 | 1726.370 | 880.647 | Curve | 1662.115 | 880.647 | 1790.624 | 878.454 | 128.51 | | | Summit | 37.647 | 3.414 |
| | | | Grade | 1790.624 | 878.454 | 2022.383 | 870.543 | 231.759 | 0.00% | -3.41% | | | |
| 6 | 2043.133 | 869.834 | Curve | 2022.383 | 870.543 | 2063.883 | 869.624 | 41.5 | | | Valley | 17.295 | 2.4 |
| | | | Grade | 2063.883 | 869.624 | 2207.749 | 868.165 | 143.866 | -3.41% | -1.01% | | | |
| 7 | 2290.293 | 867.328 | Curve | 2207.749 | 868.165 | 2372.837 | 867.891 | 165.087 | | | Valley | 97.352 | 1.696 |
| | | | Grade | 2372.837 | 867.891 | 2407.022 | 868.124 | 34.185 | -1.01% | 0.68% | | | |
| 8 | 2464.328 | 868.515 | Curve | 2407.022 | 868.124 | 2521.633 | 868.515 | 114.612 | | | Summit | 168.112 | 0.682 |
| | | | Grade | 2521.633 | 868.515 | 2645.454 | 868.515 | 123.821 | 0.68% | 0.00% | | | |
| 9 | 2740.000 | 868.515 | Curve | 2645.454 | 868.515 | 2834.546 | 867.515 | 189.091 | | | Summit | 178.856 | 1.057 |
| | | | Grade | 2834.546 | 867.515 | 2877.593 | 867.06 | 43.048 | 0.00% | -1.06% | | | |
| 10 | 2957.161 | 866.219 | Curve | 2877.593 | 867.060 | 3036.728 | 869.044 | 159.135 | | | Valley | 34.533 | 4.608 |
| | | | Grade | 3036.728 | 869.044 | 3189.303 | 874.462 | 152.575 | -1.06% | 3.55% | | | |
| 11 | 3300.000 | 878.393 | Curve | 3189.303 | 874.462 | 3410.697 | 874.806 | 221.393 | | | Summit | 32.6 | 6.791 |
| | | | Grade | 3410.697 | 874.806 | 3440.197 | 873.85 | 29.5 | 3.55% | -3.24% | | | |
| 12 | 3483.942 | 872.433 | Curve | 3440.197 | 873.850 | 3527.687 | 872.433 | 87.49 | | | Valley | 27.002 | 3.24 |
| | | | Grade | 3527.687 | 872.433 | 3606.100 | 872.433 | 78.413 | -3.24% | 0.00% | | | |
| 13 | 3610.000 | 872.433 | Curve | 3606.100 | 872.433 | 3613.900 | 872.445 | 7.8 | | | Valley | 26 | 0.3 |
| | | | Grade | 3613.900 | 872.445 | 3768.332 | 872.908 | 154.432 | 0.00% | 0.30% | | | |
| 14 | 3783.781 | 872.954 | Curve | 3768.332 | 872.908 | 3799.231 | 873.189 | 30.899 | | | Valley | 25.3 | 1.221 |
| | | | Grade | 3799.231 | 873.189 | 4071.101 | 877.325 | 271.87 | 0.30% | 1.52% | | | |
| 15 | 4096.202 | 877.707 | Curve | 4071.101 | 877.325 | 4121.304 | 877.707 | 50.203 | | | Summit | 33 | 1.521 |
| | | | Grade | 4121.304 | 877.707 | 4397.745 | 877.707 | 276.442 | 1.52% | 0.00% | | | |
| 16 | 4450.000 | 877.707 | Curve | 4397.745 | 877.707 | 4502.255 | 876.521 | 104.509 | | | Summit | 46.033 | 2.27 |
| | | | Grade | 4502.255 | 876.521 | 4788.976 | 870.011 | 286.721 | 0.00% | -2.27% | | | |
| 17 | 4820.000 | 869.307 | Curve | 4788.976 | 870.011 | 4851.024 | 869.307 | 62.048 | | | Valley | 27.33 | 2.27 |
| | | | Grade | 4851.024 | 869.307 | 5060.950 | 869.307 | 209.927 | -2.27% | 0.00% | | | |
| 18 | 5100.000 | 869.307 | Curve | 5060.950 | 869.307 | 5139.050 | 869.07 | 78.099 | | | Summit | 128.827 | 0.606 |
| | | | Grade | 5139.050 | 869.070 | 5534.830 | 866.671 | 395.781 | 0.00% | -0.61% | | | |
| 19 | 5570.000 | 866.458 | Curve | 5534.830 | 866.671 | 5605.170 | 866.603 | 70.34 | | | Valley | 68.94 | 1.02 |
| | | | Grade | 5605.170 | 866.603 | 5717.878 | 867.07 | 112.708 | -0.61% | 0.41% | | | |
| 20 | 5810.000 | 867.451 | Curve | 5717.878 | 867.070 | 5902.122 | 868.36 | 184.245 | | | Valley | 322.11 | 0.572 |
| | | | Grade | 5902.122 | 868.360 | 5990.647 | 869.233 | 88.525 | 0.41% | 0.99% | | | |
| 21 | 6029.233 | 869.613 | Curve | 5990.647 | 869.233 | 6067.820 | 871.128 | 77.173 | | | Valley | 26.252 | 2.94 |
| | | | Grade | 6067.820 | 871.128 | 6372.104 | 883.073 | 304.284 | 0.99% | 3.93% | | | |
| 22 | 6525.525 | 889.096 | Curve | 6372.104 | 883.073 | 6678.945 | 889.165 | 306.841 | | | Summit | 79.069 | 3.881 |
| | | | Grade | 6678.945 | 889.165 | 6865.030 | 889.249 | 186.085 | 3.93% | 0.05% | | | |
| 23 | 7000.373 | 889.31 | Curve | 6865.030 | 889.249 | 7135.716 | 884.394 | 270.686 | | | Summit | 73.6 | 3.678 |
| | | | Grade | 7135.716 | 884.394 | 7138.851 | 884.28 | 3.135 | 0.05% | -3.63% | | | |
| 24 | 7330.015 | 877.335 | Curve | 7138.851 | 884.280 | 7521.179 | 881.635 | 382.328 | | | Valley | 65 | 5.882 |
| | | | Grade | 7521.179 | 881.635 | 7818.710 | 888.327 | 297.531 | -3.63% | 2.25% | | | |
| 25 | 7970.534 | 891.742 | Curve | 7818.710 | 888.327 | 8122.358 | 891.742 | 303.648 | | | Summit | 135 | 2.249 |
| | | | Grade | 8122.358 | 891.742 | 8205.440 | 891.742 | 83.082 | 2.25% | 0.00% | | | |
| 26 | 8283.111 | 891.742 | Curve | 8205.440 | 891.742 | 8360.782 | 891.433 | 155.342 | | | Summit | 390.809 | 0.397 |
| | | | Grade | 8360.782 | 891.433 | 8705.931 | 890.061 | 345.149 | 0.00% | -0.40% | | | |
| 27 | 8747.725 | 889.895 | Curve | 8705.931 | 890.061 | 8789.519 | 889.895 | 83.588 | | | Valley | 210.291 | 0.397 |

**Vertical Alignment: PRR Centre**

| PVI No. | PVI | | Element | Start | | End | | Length | Grade In | Grade Out | Type | K-Value | A-Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chainage | RL | | Chainage | RL | Chainage | RL | | | | | | |
| 27 | 8747.725 | 889.895 | Curve | 8705.931 | 890.061 | 8789.519 | 889.895 | 83.588 | | | Valley | 210.291 | 0.397 |
| | | | Grade | 8789.519 | 889.895 | 8968.442 | 889.895 | 178.923 | -0.40% | 0.00% | | | |
| 28 | 9054.011 | 889.895 | Curve | 8968.442 | 889.895 | 9139.581 | 888.023 | 171.139 | | | Summit | 78.195 | 2.189 |
| | | | Grade | 9139.581 | 888.023 | 9209.605 | 886.49 | 70.025 | 0.00% | -2.19% | | | |
| 29 | 9260.000 | 885.387 | Curve | 9209.605 | 886.490 | 9310.395 | 885.508 | 100.789 | | | Valley | 41.5 | 2.429 |
| | | | Grade | 9310.395 | 885.508 | 9480.955 | 885.917 | 170.56 | -2.19% | 0.24% | | | |
| 30 | 9536.485 | 886.051 | Curve | 9480.955 | 885.917 | 9592.014 | 886.833 | 111.059 | | | Valley | 95.054 | 1.168 |
| | | | Grade | 9592.014 | 886.833 | 9621.278 | 887.245 | 29.264 | 0.24% | 1.41% | | | |
| 31 | 9761.496 | 889.22 | Curve | 9621.278 | 887.245 | 9901.715 | 888.428 | 280.436 | | | Summit | 142.109 | 1.973 |
| | | | Grade | 9901.715 | 888.428 | 10079.875 | 887.421 | 178.16 | 1.41% | -0.57% | | | |
| 32 | 10219.875 | 886.63 | Curve | 10079.875 | 887.421 | 10359.875 | 892.23 | 280 | | | Valley | 61.337 | 4.565 |
| | | | Grade | 10359.875 | 892.230 | 10514.800 | 898.427 | 154.925 | -0.57% | 4.00% | | | |
| 33 | 10580.000 | 901.035 | Curve | 10514.800 | 898.427 | 10645.200 | 901.035 | 130.4 | | | Summit | 32.6 | 4 |
| | | | Grade | 10645.200 | 901.035 | 10815.825 | 901.035 | 170.625 | 4.00% | 0.00% | | | |
| 34 | 10878.325 | 901.035 | Curve | 10815.825 | 901.035 | 10940.825 | 902.504 | 125 | | | Valley | 53.179 | 2.351 |
| | | | Grade | 10940.825 | 902.504 | 11687.807 | 920.062 | 746.982 | 0.00% | 2.35% | | | |
| 35 | 11747.807 | 921.473 | Curve | 11687.807 | 920.062 | 11807.807 | 923.603 | 120 | | | Valley | 99.998 | 1.2 |
| | | | Grade | 11807.807 | 923.603 | 12005.350 | 930.617 | 197.543 | 2.35% | 3.55% | | | |
| 36 | 12322.850 | 941.89 | Curve | 12005.350 | 930.617 | 12640.350 | 931.344 | 635 | | | Summit | 92.403 | 6.872 |
| | | | Grade | 12640.350 | 931.344 | 12811.342 | 925.665 | 170.992 | 3.55% | -3.32% | | | |
| 37 | 12919.663 | 922.067 | Curve | 12811.342 | 925.665 | 13027.984 | 924.124 | 216.641 | | | Valley | 41.5 | 5.22 |
| | | | Grade | 13027.984 | 924.124 | 13141.764 | 926.284 | 113.78 | -3.32% | 1.90% | | | |
| 38 | 13229.626 | 927.952 | Curve | 13141.764 | 926.284 | 13317.488 | 927.523 | 175.724 | | | Summit | 73.6 | 2.388 |
| | | | Grade | 13317.488 | 927.523 | 13917.300 | 924.591 | 599.813 | 1.90% | -0.49% | | | |
| 39 | 13980.548 | 924.282 | Curve | 13917.300 | 924.591 | 14043.795 | 926.534 | 126.495 | | | Valley | 31.231 | 4.05 |
| | | | Grade | 14043.795 | 926.534 | 14055.213 | 926.941 | 11.417 | -0.49% | 3.56% | | | |
| 40 | 14230.213 | 933.174 | Curve | 14055.213 | 926.941 | 14405.213 | 933.173 | 350 | | | Summit | 98.271 | 3.562 |
| | | | Grade | 14405.213 | 933.173 | 14475.511 | 933.173 | 70.298 | 3.56% | 0.00% | | | |
| 41 | 14740.966 | 933.173 | Curve | 14475.511 | 933.173 | 15006.422 | 922.859 | 530.911 | | | Summit | 136.635 | 3.886 |
| | | | Grade | 15006.422 | 922.859 | 15019.123 | 922.365 | 12.701 | 0.00% | -3.89% | | | |
| 42 | 15068.872 | 920.432 | Curve | 15019.123 | 922.365 | 15118.621 | 920.432 | 99.498 | | | Valley | 25.606 | 3.886 |
| | | | Grade | 15118.621 | 920.432 | 15294.826 | 920.432 | 176.205 | -3.89% | 0.00% | | | |
| 43 | 15409.404 | 920.432 | Curve | 15294.826 | 920.432 | 15523.981 | 916.865 | 229.155 | | | Summit | 73.6 | 3.114 |
| | | | Grade | 15523.981 | 916.865 | 15812.399 | 907.885 | 288.418 | 0.00% | -3.11% | | | |
| 44 | 15877.005 | 905.873 | Curve | 15812.399 | 907.885 | 15941.611 | 905.873 | 129.211 | | | Valley | 41.5 | 3.114 |
| | | | Grade | 15941.611 | 905.873 | 16097.552 | 905.873 | 155.941 | -3.11% | 0.00% | | | |
| 45 | 16257.017 | 905.873 | Curve | 16097.552 | 905.873 | 16416.482 | 901.844 | 318.93 | | | Summit | 126.219 | 2.527 |
| | | | Grade | 16416.482 | 901.844 | 16422.300 | 901.697 | 5.818 | 0.00% | -2.53% | | | |
| 46 | 16501.611 | 899.693 | Curve | 16422.300 | 901.697 | 16580.922 | 900.72 | 158.622 | | | Valley | 41.5 | 3.822 |
| | | | Grade | 16580.922 | 900.720 | 16842.610 | 904.11 | 261.687 | -2.53% | 1.30% | | | |
| 47 | 17067.610 | 907.025 | Curve | 16842.610 | 904.110 | 17292.610 | 906.445 | 450 | | | Summit | 289.787 | 1.553 |
| | | | Grade | 17292.610 | 906.445 | 17781.409 | 905.187 | 488.799 | 1.30% | -0.26% | | | |
| 48 | 17857.958 | 904.99 | Curve | 17781.409 | 905.187 | 17934.507 | 905.571 | 153.098 | | | Valley | 150.625 | 1.016 |
| | | | Grade | 17934.507 | 905.571 | 18092.005 | 906.766 | 157.497 | -0.26% | 0.76% | | | |
| 49 | 18307.867 | 908.405 | Curve | 18092.005 | 906.766 | 18523.730 | 906.816 | 431.725 | | | Summit | 288.817 | 1.495 |
| | | | Grade | 18523.730 | 906.816 | 18567.243 | 906.496 | 43.514 | 0.76% | -0.74% | | | |
| 50 | 18597.243 | 906.275 | Curve | 18567.243 | 906.496 | 18627.243 | 906.275 | 60 | | | Valley | 81.54 | 0.736 |
| | | | Grade | 18627.243 | 906.275 | 18718.519 | 906.275 | 91.276 | -0.74% | 0.00% | | | |
| 51 | 18769.119 | 906.275 | Curve | 18718.519 | 906.275 | 18819.719 | 908.299 | 101.2 | | | Valley | 25.3 | 4 |
| | | | Grade | 18819.719 | 908.299 | 18828.552 | 908.653 | 8.833 | 0.00% | 4.00% | | | |
| 52 | 18915.826 | 912.144 | Curve | 18828.552 | 908.653 | 19003.100 | 910.962 | 174.548 | | | Summit | 32.6 | 5.354 |
| | | | Grade | 19003.100 | 910.962 | 19123.288 | 909.334 | 120.188 | 4.00% | -1.35% | | | |
| 53 | 19216.569 | 908.071 | Curve | 19123.288 | 909.334 | 19309.851 | 907.61 | 186.562 | | | Valley | 216.81 | 0.86 |
| | | | Grade | 19309.851 | 907.610 | 19898.650 | 904.703 | 588.8 | -1.35% | -0.49% | | | |

NOTES :

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

FOR INTERNAL OFFICE ONLY

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STUP Consultants Pvt. Ltd.
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Tel.: 080 - 40 39 79 79
Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: VERTICAL ALIGNMENT REPORT MAIN CARRIAGEWAY FROM CH: 0+000 TO 19+800

DRG.NO.: N0533/E/HWY/RD-11 (R0)

SCALE: 1:250

A2

DISCLAIMER: ONLY APPROVED AND SIGNED HARD COPIES SHALL BE USED FOR CONSTRUCTION

# PLAN AND PROFILE

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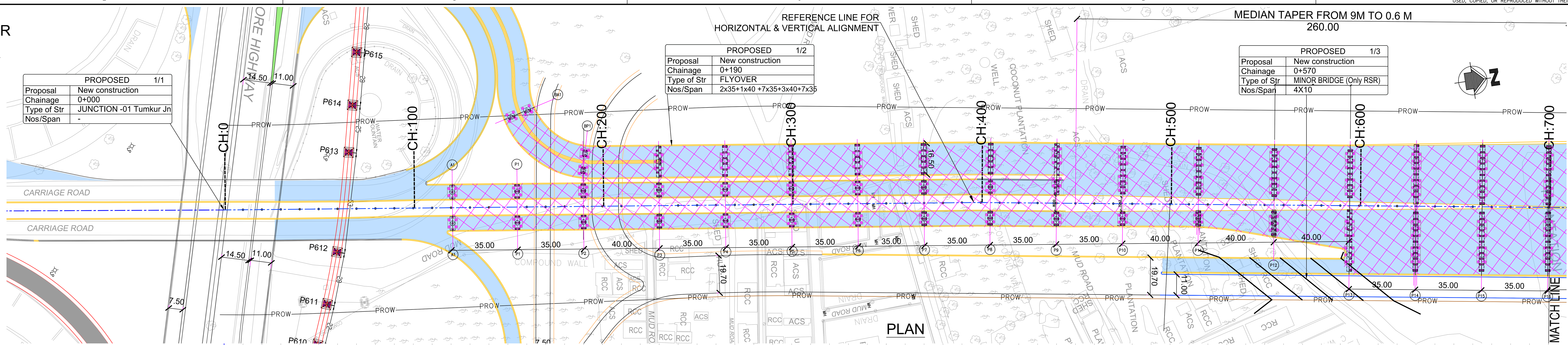
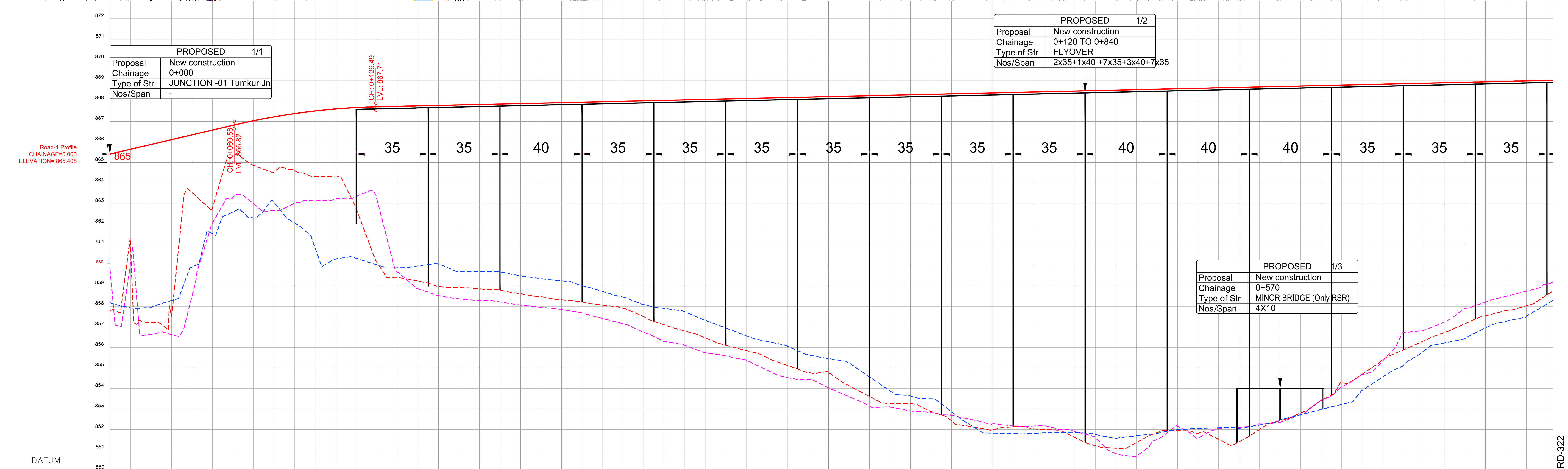
TUMKUR ROAD ←

HOSUR ROAD →




## LONGITUDINAL SECTION

| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | GROUND LEVEL LEFT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|
| 0+000 | 865.408 | 857.790 | 859.840 | 858.179 |
| 0+010 | 865.642 | 860.978 | 860.126 | 857.922 |
| 0+020 | 865.876 | 857.216 | 856.637 | 857.951 |
| 0+030 | 866.110 | 857.521 | 856.616 | 858.278 |
| 0+040 | 866.344 | 863.534 | 858.501 | 859.914 |
| 0+050 | 866.577 | 862.801 | 862.054 | 861.532 |
| 0+060 | 866.811 | 865.308 | 863.317 | 862.596 |
| 0+070 | 867.032 | 864.855 | 862.986 | 862.299 |
| 0+080 | 867.221 | 864.556 | 862.649 | 863.050 |
| 0+090 | 867.380 | 864.604 | 863.022 | 862.051 |
| 0+100 | 867.508 | 864.322 | 863.134 | 860.832 |
| 0+110 | 867.606 | 864.346 | 863.233 | 860.301 |
| 0+120 | 867.673 | 862.740 | 863.337 | 860.332 |
| 0+130 | 867.709 | 860.152 | 863.233 | 860.018 |
| 0+140 | 867.732 | 859.407 | 859.657 | 859.871 |
| 0+150 | 867.754 | 859.229 | 858.852 | 859.962 |
| 0+160 | 867.777 | 858.966 | 858.517 | 860.051 |
| 0+170 | 867.799 | 858.909 | 858.363 | 859.689 |
| 0+180 | 867.822 | 858.850 | 858.291 | 859.696 |
| 0+190 | 867.844 | 858.794 | 858.210 | 859.673 |
| 0+200 | 867.867 | 858.608 | 858.055 | 859.487 |
| 0+210 | 867.889 | 858.461 | 857.952 | 859.345 |
| 0+220 | 867.912 | 858.313 | 857.847 | 859.238 |
| 0+230 | 867.934 | 858.214 | 857.674 | 859.003 |
| 0+240 | 867.957 | 858.057 | 857.408 | 858.723 |
| 0+250 | 867.979 | 857.906 | 857.151 | 858.445 |
| 0+260 | 868.002 | 857.492 | 856.732 | 858.081 |
| 0+270 | 868.024 | 857.096 | 856.287 | 857.898 |
| 0+280 | 868.047 | 856.797 | 856.099 | 857.730 |
| 0+290 | 868.069 | 856.466 | 855.742 | 857.319 |
| 0+300 | 868.092 | 856.104 | 855.580 | 856.941 |
| 0+310 | 868.114 | 855.840 | 855.372 | 856.563 |
| 0+320 | 868.137 | 855.507 | 854.897 | 856.289 |
| 0+330 | 868.159 | 855.122 | 854.526 | 856.060 |
| 0+340 | 868.182 | 854.775 | 854.431 | 855.639 |
| 0+350 | 868.204 | 854.783 | 854.027 | 855.454 |
| 0+360 | 868.227 | 854.132 | 853.603 | 855.236 |
| 0+370 | 868.249 | 853.610 | 853.145 | 854.564 |
| 0+380 | 868.272 | 853.264 | 853.098 | 853.882 |
| 0+390 | 868.294 | 853.260 | 852.900 | 853.633 |
| 0+400 | 868.317 | 852.874 | 852.821 | 853.492 |
| 0+410 | 868.339 | 852.419 | 852.692 | 852.865 |
| 0+420 | 868.362 | 852.133 | 852.480 | 852.166 |
| 0+430 | 868.384 | 851.972 | 852.276 | 851.828 |
| 0+440 | 868.407 | 852.137 | 852.175 | 851.807 |
| 0+450 | 868.429 | 852.028 | 852.169 | 851.814 |
| 0+460 | 868.452 | 851.983 | 852.077 | 851.850 |
| 0+470 | 868.474 | 851.618 | 851.910 | 851.870 |
| 0+480 | 868.497 | 851.213 | 851.607 | 851.761 |
| 0+490 | 868.519 | 851.090 | 850.830 | 851.574 |
| 0+500 | 868.542 | 851.365 | 850.704 | 851.696 |
| 0+510 | 868.564 | 851.847 | 851.513 | 851.812 |
| 0+520 | 868.587 | 851.942 | 852.161 | 851.993 |
| 0+530 | 868.609 | 851.821 | 851.581 | 852.051 |
| 0+540 | 868.632 | 851.524 | 852.052 | 852.085 |
| 0+550 | 868.654 | 851.406 | 852.110 | 852.053 |
| 0+560 | 868.677 | 851.999 | 852.270 | 852.219 |
| 0+570 | 868.699 | 852.430 | 852.354 | 852.460 |
| 0+580 | 868.722 | 852.807 | 852.725 | 852.721 |
| 0+590 | 868.744 | 853.409 | 853.441 | 852.982 |
| 0+600 | 868.767 | 854.296 | 854.075 | 853.224 |
| 0+610 | 868.789 | 854.696 | 854.665 | 853.911 |
| 0+620 | 868.812 | 855.387 | 855.347 | 854.561 |
| 0+630 | 868.834 | 855.874 | 856.714 | 855.122 |
| 0+640 | 868.857 | 856.317 | 856.831 | 855.822 |
| 0+650 | 868.879 | 856.721 | 857.233 | 856.215 |
| 0+660 | 868.902 | 857.149 | 857.891 | 856.432 |
| 0+670 | 868.924 | 857.539 | 858.202 | 856.943 |
| 0+680 | 868.947 | 857.788 | 858.481 | 857.270 |
| 0+690 | 868.969 | 858.025 | 858.737 | 857.501 |
| 0+700 | 868.992 | 858.550 | 859.085 | 858.110 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m): L:394.43; PI STA: 0+398.12, D: 1°03'23.78", R: 400.00, L: 7.38

SUPERELEVATION: e:5.00% e:-5.00%; e:5.00% e:-5.00%

Main Road @ VERTICAL SCHEMATIC: G: 2.3% L: 60.577; R: 3260.0 K: 32.6 L: 68.910; G: 0.2% L: 700.543

FORMATION LEVEL LEFT SERVICE ROAD

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m)

FORMATION LEVEL RIGHT SERVICE ROAD

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m)

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
   * RD-02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
   * RD-03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
   * RD-04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
   * RD-05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   * RD-06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD-07 : TYPICAL CROSS SECTION SCHEDULE
   * RD-08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD-09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL −1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION ☐ INFORMATION ☐ TENDER ☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

FOR INTERNAL OFFICE ONLY

CONSULTANT: STUP Consultants Pvt. Ltd. (assystem stup)
REGISTERED OFFICE : Unit No.2702, 27th Floor, Rupa Renaissance, P.No.D-33 & D-207, Juinagar, MIDC TTC Industrial Area, Turbhe, Navi Mumbai, Thane, Maharashtra-400705 Tel: +91 (022) 68067777, E-mail: mumbai@assystem.com
OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru – 560 052 Tel.: 080 – 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 0.000 TO CH: 700.000

DRG.NO.: N0533/E/HWY/RD-321(R0)

DATE: 13-01-2026 | DRAWN: NRG | PREPARED: ADJ | CHECKED: SP | APPROVED: AC

SCALE: HOR= 1:1000 VER= 1:100

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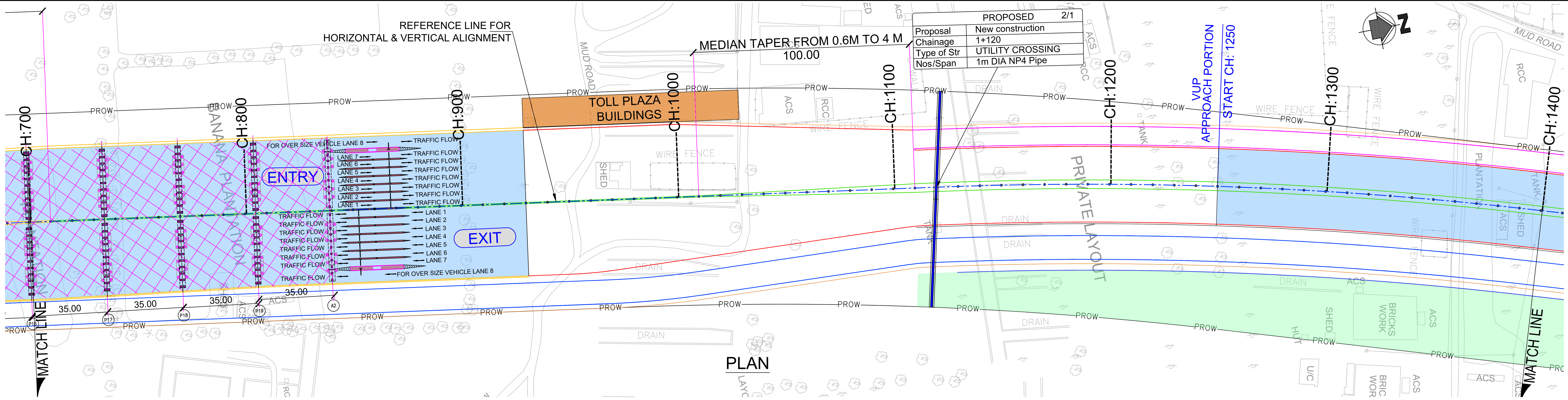
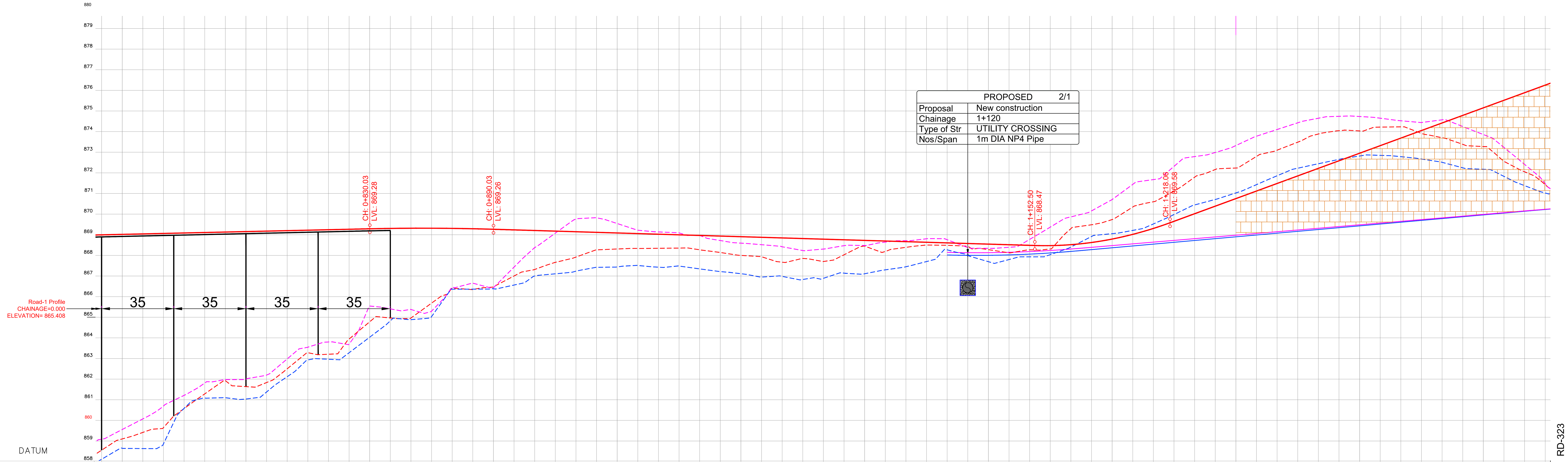
TUMKUR ROAD ← | HOSUR ROAD →




PLAN




| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | FORMATION LEVEL LEFT SERVICE ROAD | GROUND LEVEL LEFT SERVICE ROAD | FORMATION LEVEL RIGHT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|---|---|
| 0+700 | 868.992 | 858.550 | | 859.085 | | 858.110 |
| 0+710 | 869.014 | 859.096 | | 859.553 | | 858.646 |
| 0+720 | 869.037 | 859.412 | | 860.067 | | 858.629 |
| 0+730 | 869.059 | 859.646 | | 860.689 | | 858.859 |
| 0+740 | 869.082 | 860.568 | | 861.209 | | 860.580 |
| 0+750 | 869.104 | 861.281 | | 861.805 | | 861.083 |
| 0+760 | 869.127 | 861.923 | | 861.974 | | 861.094 |
| 0+770 | 869.149 | 861.632 | | 861.994 | | 861.032 |
| 0+780 | 869.172 | 861.830 | | 862.192 | | 861.372 |
| 0+790 | 869.194 | 862.497 | | 862.977 | | 862.114 |
| 0+800 | 869.217 | 863.278 | | 863.544 | | 862.927 |
| 0+810 | 869.239 | 863.203 | | 863.795 | | 862.960 |
| 0+820 | 869.262 | 863.941 | | 863.693 | | 863.274 |
| 0+830 | 869.284 | 864.777 | | 865.540 | | 864.029 |
| 0+840 | 869.302 | 864.959 | | 865.403 | | 864.823 |
| 0+850 | 869.312 | 864.960 | | 865.371 | | 864.880 |
| 0+860 | 869.312 | 865.681 | | 865.292 | | 865.030 |
| 0+870 | 869.304 | 866.388 | | 866.447 | | 866.358 |
| 0+880 | 869.287 | 866.342 | | 866.649 | | 866.358 |
| 0+890 | 869.262 | 866.474 | | 866.427 | | 866.377 |
| 0+900 | 869.232 | 866.998 | | 867.428 | | 866.558 |
| 0+910 | 869.202 | 867.312 | | 868.371 | | 866.995 |
| 0+920 | 869.172 | 867.657 | | 869.073 | | 867.101 |
| 0+930 | 869.142 | 867.913 | | 869.756 | | 867.230 |
| 0+940 | 869.112 | 868.263 | | 869.819 | | 867.415 |
| 0+950 | 869.082 | 868.305 | | 869.540 | | 867.435 |
| 0+960 | 869.052 | 868.333 | | 869.215 | | 867.506 |
| 0+970 | 869.022 | 868.339 | | 869.133 | | 867.423 |
| 0+980 | 868.992 | 868.350 | | 869.086 | | 867.477 |
| 0+990 | 868.962 | 868.266 | | 868.964 | | 867.341 |
| 1+000 | 868.932 | 868.136 | | 868.715 | | 867.210 |
| 1+010 | 868.902 | 867.995 | | 868.589 | | 867.107 |
| 1+020 | 868.872 | 867.930 | | 868.514 | | 866.944 |
| 1+030 | 868.842 | 867.666 | | 868.412 | | 866.978 |
| 1+040 | 868.812 | 867.848 | | 868.231 | | 866.827 |
| 1+050 | 868.782 | 867.699 | | 868.302 | | 866.884 |
| 1+060 | 868.752 | 868.025 | | 868.466 | | 867.136 |
| 1+070 | 868.722 | 868.446 | | 868.473 | | 867.104 |
| 1+080 | 868.692 | 868.185 | | 868.639 | | 867.294 |
| 1+090 | 868.662 | 868.385 | | 868.705 | | 867.445 |
| 1+100 | 868.632 | 868.498 | | 868.800 | | 867.696 |
| 1+110 | 868.602 | 868.485 | 868.143 | 868.756 | 868.013 | 868.265 |
| 1+120 | 868.572 | 868.441 | 868.126 | 868.375 | 867.997 | 868.000 |
| 1+130 | 868.542 | 868.273 | 868.127 | 868.337 | 867.999 | 867.690 |
| 1+140 | 868.512 | 868.121 | 868.145 | 868.387 | 868.019 | 867.794 |
| 1+150 | 868.482 | 868.264 | 868.181 | 868.770 | 868.057 | 867.925 |
| 1+160 | 868.469 | 868.306 | 868.234 | 869.366 | 868.113 | 868.031 |
| 1+170 | 868.514 | 869.293 | 868.304 | 869.863 | 868.188 | 868.399 |
| 1+180 | 868.621 | 869.480 | 868.387 | 870.153 | 868.276 | 868.911 |
| 1+190 | 868.787 | 869.732 | 868.471 | 870.702 | 868.364 | 869.049 |
| 1+200 | 869.014 | 870.340 | 868.555 | 871.439 | 868.452 | 869.207 |
| 1+210 | 869.302 | 870.595 | 868.639 | 871.670 | 868.541 | 869.520 |
| 1+220 | 869.649 | 871.112 | 868.723 | 872.311 | 868.629 | 869.976 |
| 1+230 | 870.015 | 871.787 | 868.807 | 872.785 | 868.718 | 870.442 |
| 1+240 | 870.382 | 872.159 | 868.891 | 872.985 | 868.806 | 870.707 |
| 1+250 | 870.749 | 872.231 | 868.974 | 873.321 | 868.895 | 871.024 |
| 1+260 | 871.115 | 872.794 | 869.058 | 873.774 | 868.983 | 871.426 |
| 1+270 | 871.482 | 873.097 | 869.142 | 874.099 | 869.072 | 871.856 |
| 1+280 | 871.849 | 873.484 | 869.226 | 874.424 | 869.160 | 872.222 |
| 1+290 | 872.215 | 873.881 | 869.310 | 874.645 | 869.249 | 872.439 |
| 1+300 | 872.582 | 874.041 | 869.394 | 874.738 | 869.337 | 872.650 |
| 1+310 | 872.948 | 874.030 | 869.478 | 874.728 | 869.426 | 872.815 |
| 1+320 | 873.315 | 874.215 | 869.562 | 874.647 | 869.514 | 872.845 |
| 1+330 | 873.682 | 874.227 | 869.646 | 874.523 | 869.603 | 872.782 |
| 1+340 | 874.048 | 873.908 | 869.730 | 874.437 | 869.691 | 872.667 |
| 1+350 | 874.415 | 873.700 | 869.813 | 874.567 | 869.780 | 872.507 |
| 1+360 | 874.781 | 873.380 | 869.897 | 874.245 | 869.868 | 872.241 |
| 1+370 | 875.148 | 873.271 | 869.981 | 873.855 | 869.957 | 872.169 |
| 1+380 | 875.515 | 872.554 | 870.065 | 873.229 | 870.045 | 871.826 |
| 1+390 | 875.881 | 872.049 | 870.149 | 872.408 | 870.134 | 871.377 |
| 1+400 | 876.248 | 871.423 | 870.232 | 871.474 | 870.221 | 871.020 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m): L:719.08; PI STA: 1+259.45, D: 8°48'14.37", R: 1800.00, L: 276.59

SUPERELEVATION: e:2.09%, e:-2.09%; e:2.09%, e:-2.09%

Main Road @ VERTICAL SCHEMATIC: R: 11428.7, K: 114.3, L: 60.000; G: -0.3%, L: 262.473; R: 1652.9, K: 16.5, L: 65.558; G: 3.7%, L: 258.396

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m): R: 5755.7, K: 57.6, L: 65.558; G: 0.8%, L: 219.991

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): R: 5532.8, K: 55.3, L: 65.558; G: 0.9%, L: 219.991

# LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
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6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL −1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

FOR INTERNAL OFFICE ONLY

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OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru - 560 052 Tel.: 080 - 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 700.000 TO CH: 1400.000

DRG.NO.: NO533/E/HWY/RD-322(RO)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: HOR= 1:1000 VER= 1:100

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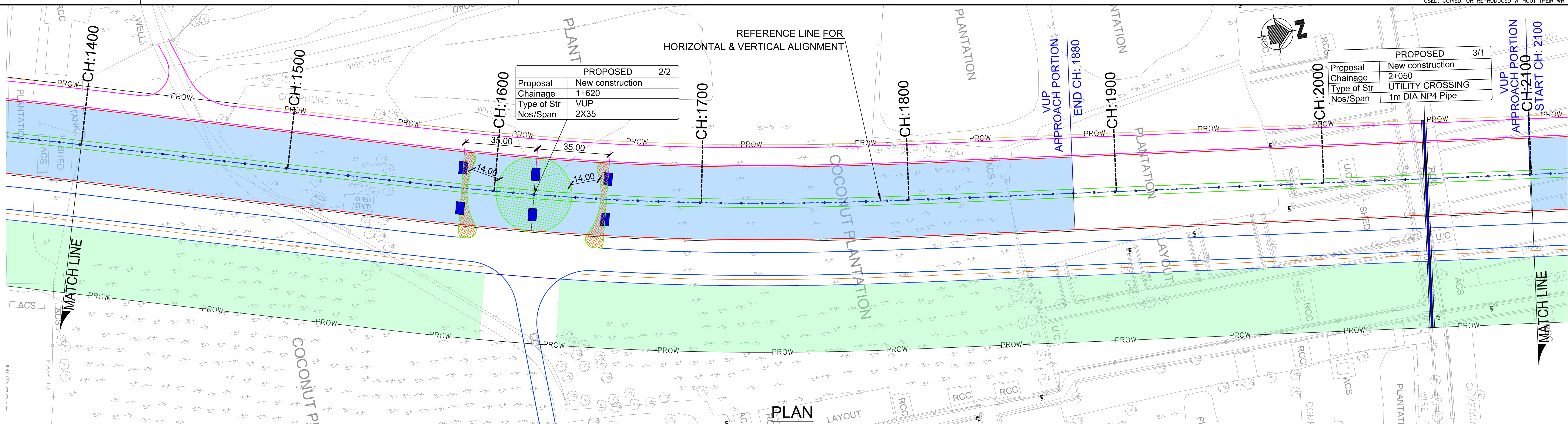
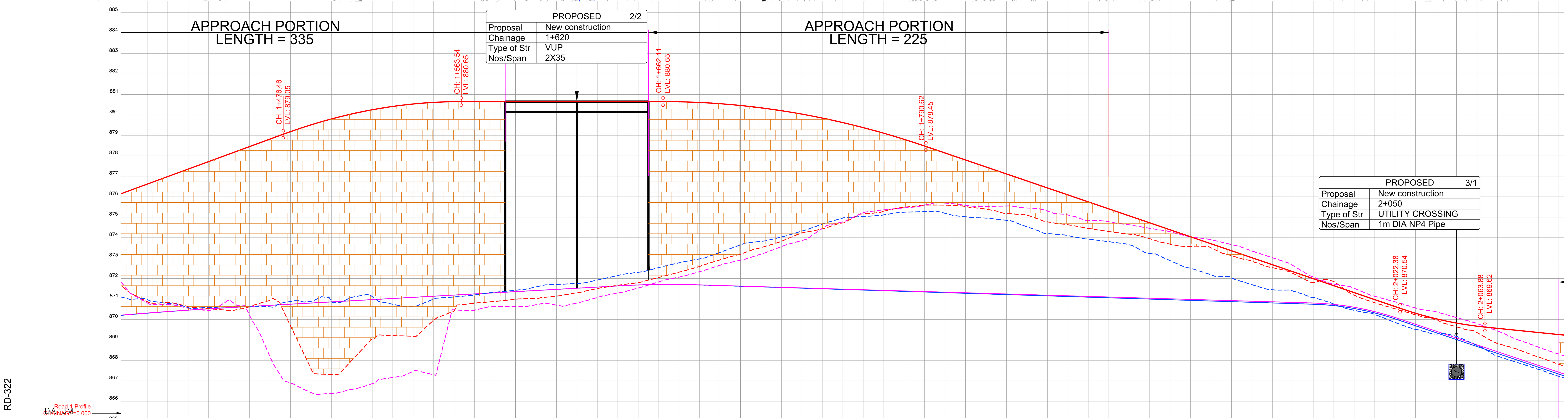
TUMKUR ROAD ←

HOSUR ROAD →




## PLAN




| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | FORMATION LEVEL LEFT SERVICE ROAD | GROUND LEVEL LEFT SERVICE ROAD | FORMATION LEVEL RIGHT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|---|---|
| 1+400 | 876.248 | 871.423 | 870.232 | 871.474 | 870.221 | 871.020 |
| 1+410 | 876.615 | 870.867 | 870.310 | 870.807 | 870.303 | 870.964 |
| 1+420 | 876.981 | 870.819 | 870.383 | 870.733 | 870.379 | 870.783 |
| 1+430 | 877.348 | 870.630 | 870.452 | 870.547 | 870.450 | 870.573 |
| 1+440 | 877.714 | 870.525 | 870.516 | 870.428 | 870.515 | 870.585 |
| 1+450 | 878.081 | 870.440 | 870.576 | 870.957 | 870.575 | 870.608 |
| 1+460 | 878.448 | 870.622 | 870.632 | 870.199 | 870.631 | 870.615 |
| 1+470 | 878.814 | 870.923 | 870.687 | 868.176 | 870.687 | 870.612 |
| 1+480 | 879.178 | 869.688 | 870.743 | 866.892 | 870.743 | 870.874 |
| 1+490 | 879.509 | 867.599 | 870.799 | 866.427 | 870.799 | 870.883 |
| 1+500 | 879.797 | 867.305 | 870.854 | 866.379 | 870.854 | 870.901 |
| 1+510 | 880.044 | 867.997 | 870.910 | 866.580 | 870.910 | 871.080 |
| 1+520 | 880.248 | 869.046 | 870.966 | 866.858 | 870.966 | 871.111 |
| 1+530 | 880.410 | 869.203 | 871.021 | 867.159 | 871.021 | 870.740 |
| 1+540 | 880.531 | 869.177 | 871.077 | 867.460 | 871.077 | 870.631 |
| 1+550 | 880.609 | 869.950 | 871.133 | 867.292 | 871.133 | 870.992 |
| 1+560 | 880.645 | 870.414 | 871.189 | 870.465 | 871.189 | 871.097 |
| 1+570 | 880.647 | 870.790 | 871.244 | 870.450 | 871.244 | 871.194 |
| 1+580 | 880.647 | 870.879 | 871.300 | 870.622 | 871.300 | 871.327 |
| 1+590 | 880.647 | 870.982 | 871.356 | 870.633 | 871.356 | 871.424 |
| 1+600 | 880.647 | 871.033 | 871.411 | 870.715 | 871.412 | 871.586 |
| 1+610 | 880.647 | 871.137 | 871.467 | 870.697 | 871.467 | 871.708 |
| 1+620 | 880.647 | 871.307 | 871.523 | 870.800 | 871.523 | 871.756 |
| 1+630 | 880.647 | 871.508 | 871.579 | 871.070 | 871.579 | 871.923 |
| 1+640 | 880.647 | 871.668 | 871.634 | 871.286 | 871.635 | 872.145 |
| 1+650 | 880.647 | 871.791 | 871.683 | 871.533 | 871.683 | 872.302 |
| 1+660 | 880.647 | 872.047 | 871.708 | 871.833 | 871.708 | 872.531 |
| 1+670 | 880.639 | 872.311 | 871.709 | 872.068 | 871.707 | 872.765 |
| 1+680 | 880.605 | 872.587 | 871.686 | 872.333 | 871.683 | 872.957 |
| 1+690 | 880.544 | 872.909 | 871.657 | 872.648 | 871.652 | 873.277 |
| 1+700 | 880.457 | 873.189 | 871.627 | 872.895 | 871.620 | 873.643 |
| 1+710 | 880.343 | 873.507 | 871.598 | 873.191 | 871.589 | 873.814 |
| 1+720 | 880.202 | 873.814 | 871.568 | 873.558 | 871.557 | 874.028 |
| 1+730 | 880.035 | 874.226 | 871.538 | 873.856 | 871.526 | 874.316 |
| 1+740 | 879.842 | 874.427 | 871.509 | 874.450 | 871.495 | 874.658 |
| 1+750 | 879.621 | 874.711 | 871.479 | 874.764 | 871.463 | 874.954 |
| 1+760 | 879.375 | 875.158 | 871.450 | 875.228 | 871.432 | 875.028 |
| 1+770 | 879.101 | 875.283 | 871.420 | 875.355 | 871.400 | 875.108 |
| 1+780 | 878.802 | 875.483 | 871.390 | 875.451 | 871.369 | 875.242 |
| 1+790 | 878.475 | 875.591 | 871.361 | 875.585 | 871.337 | 875.268 |
| 1+800 | 878.134 | 875.587 | 871.331 | 875.687 | 871.306 | 875.185 |
| 1+810 | 877.793 | 875.518 | 871.302 | 875.579 | 871.275 | 875.015 |
| 1+820 | 877.451 | 875.387 | 871.272 | 875.518 | 871.243 | 874.952 |
| 1+830 | 877.110 | 875.179 | 871.242 | 875.543 | 871.212 | 874.845 |
| 1+840 | 876.768 | 875.095 | 871.213 | 875.446 | 871.180 | 874.527 |
| 1+850 | 876.427 | 874.768 | 871.183 | 875.295 | 871.149 | 874.196 |
| 1+860 | 876.086 | 874.625 | 871.154 | 875.104 | 871.117 | 874.096 |
| 1+870 | 875.744 | 874.449 | 871.124 | 874.839 | 871.086 | 873.925 |
| 1+880 | 875.403 | 874.292 | 871.094 | 874.771 | 871.055 | 873.799 |
| 1+890 | 875.062 | 874.166 | 871.065 | 874.624 | 871.023 | 873.650 |
| 1+900 | 874.720 | 873.947 | 871.035 | 874.453 | 870.992 | 873.222 |
| 1+910 | 874.379 | 873.678 | 871.005 | 874.282 | 870.960 | 872.871 |
| 1+920 | 874.038 | 873.572 | 870.976 | 874.039 | 870.929 | 872.504 |
| 1+930 | 873.696 | 873.500 | 870.946 | 873.892 | 870.897 | 872.177 |
| 1+940 | 873.355 | 873.115 | 870.917 | 873.657 | 870.866 | 872.036 |
| 1+950 | 873.013 | 872.843 | 870.887 | 873.345 | 870.835 | 871.697 |
| 1+960 | 872.672 | 872.526 | 870.857 | 873.014 | 870.803 | 871.446 |
| 1+970 | 872.331 | 872.250 | 870.828 | 872.635 | 870.772 | 871.388 |
| 1+980 | 871.989 | 871.799 | 870.798 | 872.070 | 870.740 | 871.067 |
| 1+990 | 871.648 | 871.856 | 870.732 | 871.727 | 870.672 | 870.749 |
| 2+000 | 871.307 | 871.180 | 870.592 | 871.517 | 870.530 | 870.443 |
| 2+010 | 870.965 | 870.815 | 870.379 | 871.129 | 870.315 | 870.242 |
| 2+020 | 870.624 | 870.517 | 870.093 | 870.856 | 870.025 | 869.850 |
| 2+030 | 870.299 | 870.217 | 869.759 | 870.558 | 869.688 | 869.515 |
| 2+040 | 870.031 | 870.011 | 869.424 | 870.371 | 869.350 | 869.284 |
| 2+050 | 869.820 | 869.634 | 869.090 | 870.090 | 869.012 | 869.168 |
| 2+060 | 869.668 | 869.356 | 868.755 | 869.797 | 868.675 | 868.730 |
| 2+070 | 869.562 | 868.825 | 868.421 | 869.435 | 868.337 | 868.207 |
| 2+080 | 869.460 | 868.528 | 868.086 | 868.998 | 867.999 | 867.883 |
| 2+090 | 869.359 | 868.166 | 867.751 | 868.646 | 867.661 | 867.559 |
| 2+100 | 869.258 | 867.805 | 867.417 | 868.302 | 867.323 | 867.216 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m): L:125.58 | Ls: 90.000 LT: 60.003 ST: 30.003 K: 44.998 | PI STA: 1+677.60 D: 5°16'48.53" R: 1400.00 L: 129.02 | Ls: 90.000 LT: 60.003 ST: 30.003 K: 44.998 | L:319.57

SUPERELEVATION: e:-2.09% e:2.09% | e:-2.09% e:2.09%

Main Road @ VERTICAL SCHEMATIC: R: 2375.4 K: 23.8 L: 87.086 | G: -0.0% L: 98.572 | R: 3764.7 K: 37.6 L: 128.510 | G: -3.4% L: 231.759 | R: 1729.5 K: 17.3 L: 41.500

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m): R: 21282.9 K: 212.8 L: 60.000 | G: 0.6% L: 189.570 | R: 4133.3 K: 41.3 L: 35.265 | G: -0.3% L: 302.402 | R: 1360.6 K: 13.6 L: 41.500

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): R: 18317.4 K: 183.2 L: 60.000 | G: 0.6% L: 189.570 | R: 4045.9 K: 40.5 L: 35.265 | G: -0.3% L: 302.402 | R: 1354.5 K: 13.5 L: 41.500

## LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
 * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
 * RD-02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
 * RD-03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
 * RD-04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
 * RD-05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
 * RD-06 : TYPICAL CROSS SECTION AT TOLL PLAZA
 * RD-07 : TYPICAL CROSS SECTION SCHEDULE
 * RD-08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
 * RD-09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL −1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

FOR INTERNAL OFFICE ONLY

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STUP Consultants Pvt. Ltd.
assystem stup
REGISTERED OFFICE : Unit No.2702, 27th Floor, Rupa Renaissance, P.No.D-33 & D-207, Juinagar, MIDC TTC Industrial Area, Turbhe, Navi Mumbai, Thane, Maharashtra-400705 Tel: +91 (022) 68067777, E-mail: mumbai@assystem.com
OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru – 560 052 Tel.: 080 – 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 1400.000 TO CH: 2100.000

DRG.NO.: N0533/E/HWY/RD-323(R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: HOR= 1:1000 VER= 1:100

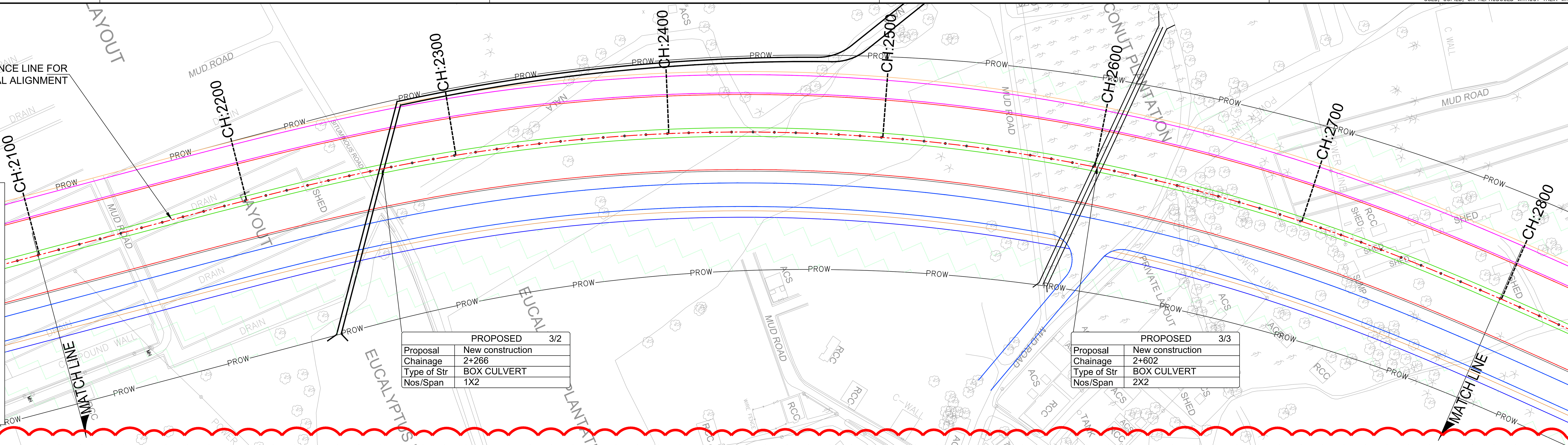
DISCLAIMER: ONLY APPROVED AND SIGNED HARD COPIES SHALL BE USED FOR CONSTRUCTION

TUMKUR ROAD ←

HOSUR ROAD →

THIS DRAWING IS THE PROPERTY OF STUP CONSULTANTS Pvt. LTD. IT SHOULD NOT BE USED, COPIED, OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

THE CLOUDED PORTION OF THE STRUCTURE IN THE ABOVE PLAN & PROFILE TO BE IGNORED/ DISREGARDED.
NORMAL CROSS SECTION 1 OF THE ROAD, AT GRADE HAS TO BE CONSIDERED FROM CHAINAGE 2+100 TO 2+980.




PLAN

| PROJECT CHAINAGE (m) | 2+100 | 2+110 | 2+120 | 2+130 | 2+140 | 2+150 | 2+160 | 2+170 | 2+180 | 2+190 | 2+200 | 2+210 | 2+220 | 2+230 | 2+240 | 2+250 | 2+260 | 2+270 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Main Road @ FINISHED ROAD LEVEL | 869.258 | 869.156 | 869.055 | 868.953 | 868.852 | 868.751 | 868.649 | 868.548 | 868.446 | 868.345 | 868.244 | 868.143 | 868.049 | 867.965 | 867.891 | 867.828 | 867.775 | 867.733 |
| Main Road @ EXISTING GROUND LEVEL | 867.805 | 867.469 | 867.144 | 866.633 | 866.198 | 865.749 | 865.366 | 864.867 | 864.408 | 864.049 | 863.445 | 863.115 | 862.579 | 862.114 | 861.576 | 861.020 | 860.668 | 860.504 |
| FORMATION LEVEL LEFT SERVICE ROAD | 867.417 | 867.082 | 866.747 | 866.413 | 866.078 | 865.744 | 865.409 | 865.074 | 864.740 | 864.405 | 864.099 | 863.854 | 863.671 | 863.550 | 863.490 | 863.418 | 863.271 | 863.048 |
| GROUND LEVEL LEFT SERVICE ROAD | 868.302 | 867.958 | 867.495 | 867.142 | 866.624 | 866.117 | 865.592 | 865.062 | 864.416 | 864.094 | 863.684 | 863.205 | 862.798 | 862.372 | 861.936 | 861.503 | 861.186 | 860.836 |
| FORMATION LEVEL RIGHT SERVICE ROAD | 867.323 | 866.985 | 866.648 | 866.310 | 865.972 | 865.634 | 865.296 | 864.958 | 864.621 | 864.283 | 863.976 | 863.736 | 863.563 | 863.458 | 863.419 | 863.368 | 863.239 | 863.030 |
| GROUND LEVEL RIGHT SERVICE ROAD | 867.216 | 866.961 | 866.649 | 866.264 | 865.583 | 865.162 | 864.511 | 864.070 | 863.482 | 863.101 | 862.715 | 862.340 | 861.947 | 861.411 | 861.073 | 860.420 | 859.911 | 859.588 |

| PROJECT CHAINAGE (m) | 2+280 | 2+290 | 2+300 | 2+310 | 2+320 | 2+330 | 2+340 | 2+350 | 2+360 | 2+370 | 2+380 | 2+390 | 2+400 | 2+410 | 2+420 | 2+430 | 2+440 | 2+450 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Main Road @ FINISHED ROAD LEVEL | 867.701 | 867.679 | 867.667 | 867.665 | 867.674 | 867.693 | 867.722 | 867.762 | 867.812 | 867.872 | 867.940 | 868.008 | 868.076 | 868.144 | 868.207 | 868.265 | 868.316 | 868.362 |
| Main Road @ EXISTING GROUND LEVEL | 860.481 | 860.245 | 859.726 | 859.254 | 858.623 | 859.074 | 858.940 | 858.737 | 858.490 | 858.395 | 858.358 | 858.268 | 858.247 | 858.145 | 858.074 | 857.889 | 856.830 | 856.114 |
| FORMATION LEVEL LEFT SERVICE ROAD | 862.750 | 862.377 | 861.929 | 861.439 | 860.951 | 860.518 | 860.158 | 859.872 | 859.659 | 859.510 | 859.370 | 859.231 | 859.091 | 858.951 | 858.811 | 858.672 | 858.532 | 858.392 |
| GROUND LEVEL LEFT SERVICE ROAD | 860.587 | 860.631 | 860.562 | 860.528 | 860.134 | 859.112 | 858.950 | 858.859 | 858.776 | 858.576 | 858.341 | 858.383 | 858.174 | 858.051 | 857.945 | 857.267 | 857.474 | 857.377 |
| FORMATION LEVEL RIGHT SERVICE ROAD | 862.742 | 862.375 | 861.929 | 861.439 | 860.951 | 860.518 | 860.158 | 859.872 | 859.659 | 859.510 | 859.371 | 859.231 | 859.091 | 858.951 | 858.812 | 858.672 | 858.532 | 858.392 |
| GROUND LEVEL RIGHT SERVICE ROAD | 859.351 | 859.265 | 859.238 | 859.176 | 859.102 | 858.964 | 858.896 | 858.831 | 858.717 | 858.545 | 858.454 | 858.358 | 858.167 | 857.879 | 857.815 | 857.685 | 857.642 | 857.602 |

| PROJECT CHAINAGE (m) | 2+460 | 2+470 | 2+480 | 2+490 | 2+500 | 2+510 | 2+520 | 2+530 | 2+540 | 2+550 | 2+560 | 2+570 | 2+580 | 2+590 | 2+600 | 2+610 | 2+620 | 2+630 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Main Road @ FINISHED ROAD LEVEL | 868.402 | 868.435 | 868.463 | 868.485 | 868.501 | 868.511 | 868.514 | 868.515 | 868.515 | 868.515 | 868.515 | 868.515 | 868.515 | 868.515 | 868.515 | 868.515 | 868.515 | 868.515 |
| Main Road @ EXISTING GROUND LEVEL | 856.848 | 857.154 | 857.049 | 856.989 | 856.898 | 856.733 | 856.719 | 856.784 | 856.757 | 856.732 | 856.820 | 857.168 | 857.333 | 857.362 | 857.415 | 857.521 | 857.612 | 857.371 |
| FORMATION LEVEL LEFT SERVICE ROAD | 858.252 | 858.145 | 858.100 | 858.115 | 858.192 | 858.330 | 858.530 | 858.758 | 858.986 | 859.214 | 859.442 | 859.670 | 859.873 | 860.032 | 860.149 | 860.223 | 860.254 | 860.242 |
| GROUND LEVEL LEFT SERVICE ROAD | 856.657 | 856.622 | 857.016 | 856.930 | 856.834 | 856.698 | 856.572 | 856.472 | 856.551 | 856.840 | 856.953 | 857.151 | 857.123 | 857.373 | 857.362 | 857.425 | 857.588 | 857.624 |
| FORMATION LEVEL RIGHT SERVICE ROAD | 858.253 | 858.146 | 858.100 | 858.115 | 858.192 | 858.330 | 858.530 | 858.758 | 858.986 | 859.214 | 859.442 | 859.670 | 859.872 | 860.030 | 860.143 | 860.213 | 860.239 | 860.220 |
| GROUND LEVEL RIGHT SERVICE ROAD | 857.532 | 857.344 | 857.209 | 857.302 | 857.308 | 857.020 | 857.037 | 857.310 | 857.220 | 857.109 | 856.877 | 857.156 | 857.551 | 857.568 | 857.641 | 857.709 | 857.816 | 857.882 |

| PROJECT CHAINAGE (m) | 2+640 | 2+650 | 2+660 | 2+670 | 2+680 | 2+690 | 2+700 | 2+710 | 2+720 | 2+730 | 2+740 | 2+750 | 2+760 | 2+770 | 2+780 | 2+790 | 2+800 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Main Road @ FINISHED ROAD LEVEL | 868.515 | 868.514 | 868.509 | 868.498 | 868.481 | 868.459 | 868.431 | 868.398 | 868.359 | 868.315 | 868.265 | 868.209 | 868.148 | 868.081 | 868.009 | 867.930 | 867.847 |
| Main Road @ EXISTING GROUND LEVEL | 856.994 | 857.341 | 857.939 | 857.885 | 857.956 | 858.109 | 858.298 | 858.414 | 858.706 | 858.855 | 858.897 | 858.798 | 858.861 | 859.211 | 859.650 | 859.748 | 859.775 |
| FORMATION LEVEL LEFT SERVICE ROAD | 860.212 | 860.182 | 860.152 | 860.122 | 860.092 | 860.062 | 860.036 | 860.028 | 860.041 | 860.075 | 860.129 | 860.203 | 860.297 | 860.412 | 860.547 | 860.703 | 860.879 |
| GROUND LEVEL LEFT SERVICE ROAD | 856.529 | 856.840 | 857.714 | 857.791 | 857.892 | 857.950 | 858.031 | 858.229 | 858.556 | 858.851 | 859.021 | 859.130 | 859.317 | 859.590 | 859.836 | 860.079 | 860.273 |
| FORMATION LEVEL RIGHT SERVICE ROAD | 860.183 | 860.147 | 860.110 | 860.073 | 860.036 | 859.999 | 859.966 | 859.952 | 859.959 | 859.987 | 860.035 | 860.105 | 860.194 | 860.305 | 860.436 | 860.588 | 860.761 |
| GROUND LEVEL RIGHT SERVICE ROAD | 857.276 | 856.950 | 857.586 | 857.888 | 857.970 | 858.024 | 858.018 | 858.011 | 858.483 | 858.456 | 858.491 | 858.432 | 858.592 | 859.154 | 859.290 | 859.544 | 859.484 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m): Ls: 135.000, LT: 90.031, ST: 45.028, K: 67.485 — PI STA: 2+510.28, D: 29°59'13.18", R: 835.00, L: 437.02 — Ls: 135.000, LT: 90.031, ST: 45.028, K: 67.485

SUPERELEVATION: e:3.43% / e:-3.43% — e:3.43% / e:-3.43%

Main Road @ VERTICAL SCHEMATIC: G: -1.0%, L: 143.866 — R: 9735.2, K: 97.4, L: 165.087 — G: 0.7%, L: 34.185 — R: 16811.2, K: 168.1, L: 114.612 — G: 0.0%, L: 123.821 — R: 17885.6, K: 178.9, L: 189.091

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m): G: -3.3%, L: 168.895 — R: 1619.1, K: 16.2, L: 47.866 — G: 0.4%, L: 2.338 — R: 1328.3, K: 13.3, L: 60.000 — G: -4.9%, L: 16.541 — R: 1361.0, K: 13.6, L: 47.766 — G: -1.4%, L: 94.720 — R: 1631.3, K: 16.3, L: 60.000 — G: 2.3%, L: 49.474 — R: 2325.1, K: 23.3, L: 60.000 — G: -0.3%, L: 64.736 — R: 4910.1, K: 49.1, L: 189.091

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): G: -3.4%, L: 168.895 — R: 1487.1, K: 14.9, L: 47.866 — G: 0.2%, L: 2.338 — R: 1264.1, K: 12.6, L: 60.000 — G: -4.9%, L: 16.541 — R: 1361.5, K: 13.6, L: 47.766 — G: -1.4%, L: 94.720 — R: 1631.5, K: 16.3, L: 60.000 — G: 2.3%, L: 49.474 — R: 2265.5, K: 22.7, L: 60.000 — G: -0.4%, L: 64.736 — R: 4824.4, K: 48.2, L: 189.091

LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
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   * RD-04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
   * RD-05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   * RD-06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD-07 : TYPICAL CROSS SECTION SCHEDULE
   * RD-08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD-09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL -1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

RELEASED FOR: ☑ APPROVAL ☐ CONSTRUCTION ☐ INFORMATION ☐ TENDER ☐ DRAFT ☐ PRELIMNARY

| | CHECKED BY | SIGN | DATE | | CHECKED BY | SIGN | DATE |
|---|---|---|---|---|---|---|---|
| GIS | | | | | | | |
| HIGHWAYS | | | | MAJOR STRUCTURES | | | |
| ELECTRICAL | | | | IRRIGATION/ WATER RESOURCES | | | |
| BUILDINGS | | | | PHE / PLUMBING/ FIREFIGHTING | | | |
| ARCHITECTURE | | | | MECHANICAL / HVAC | | | |

FOR INTERNAL OFFICE ONLY

CONSULTANT: STUP Consultants Pvt. Ltd. (assystem stup)

REGISTERED OFFICE : Unit No.2702, 27th Floor, Rupa Renaissance, P.No.D-33 & D-207, Juinagar, MIDC TTC Industrial Area, Turbhe, Navi Mumbai, Thane, Maharashtra-400705 Tel: +91 (022) 68067777, E-mail: mumbai@assystem.com

OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru - 560 052 Tel.: 080 - 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

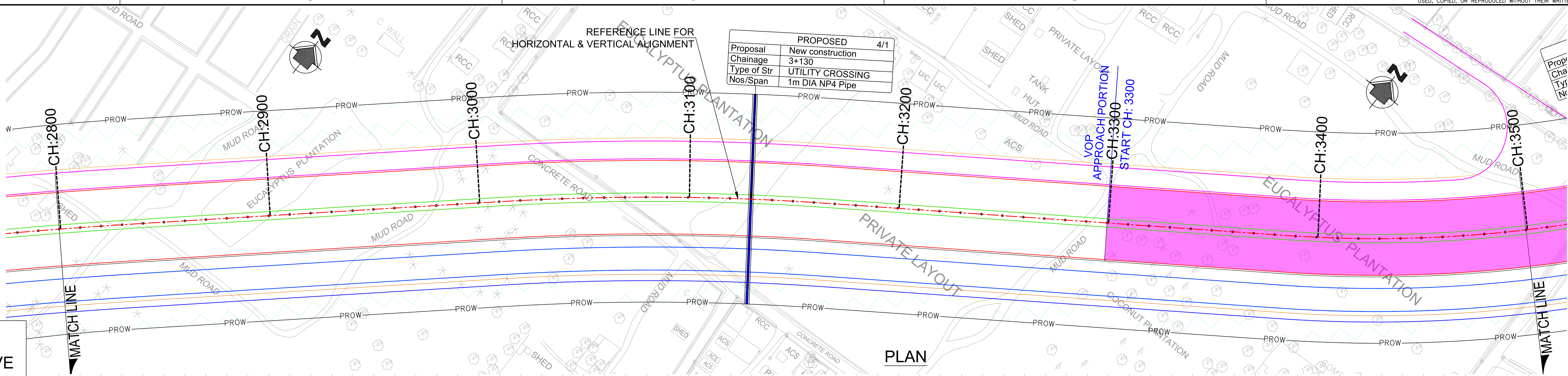
TITLE: MAIN ROAD PLAN AND PROFILE CH: 2100.000 TO CH: 2800.000

DRG.NO.: N0533/E/HWY/RD-324(R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: HOR= 1:1000 VER= 1:100

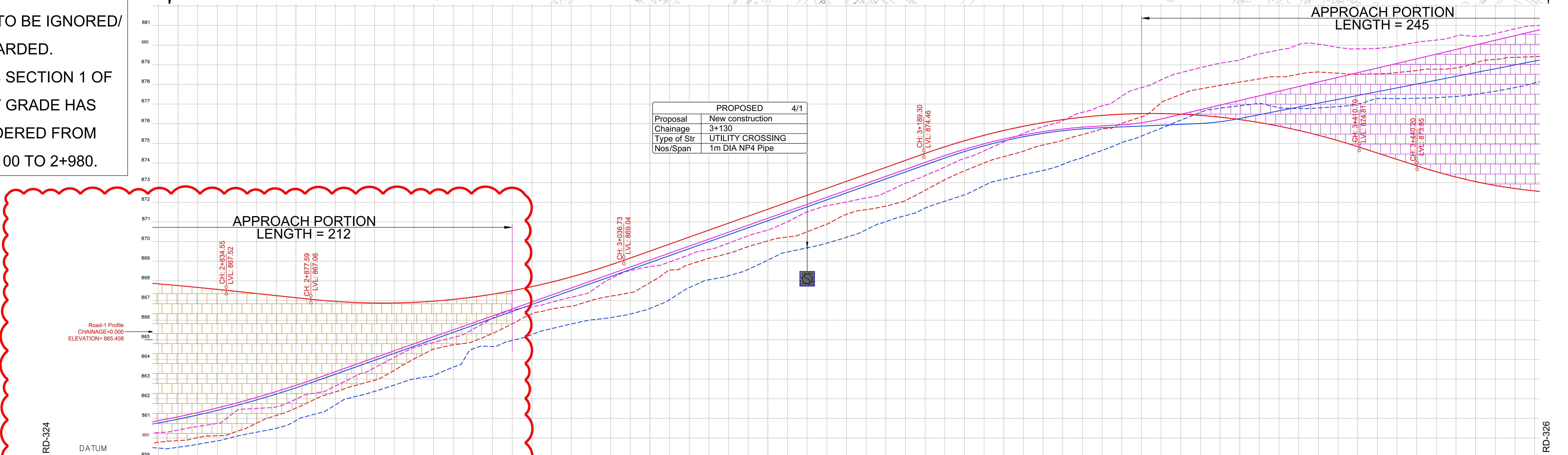
DISCLAIMER: ONLY APPROVED AND SIGNED HARD COPIES SHALL BE USED FOR CONSTRUCTION

# TUMKUR ROAD ← | HOSUR ROAD →




THE CLOUDED PORTION OF THE STRUCTURE IN THE ABOVE PLAN & PROFILE TO BE IGNORED/ DISREGARDED.

NORMAL CROSS SECTION 1 OF THE ROAD, AT GRADE HAS TO BE CONSIDERED FROM CHAINAGE 2+100 TO 2+980.




HORIZONTAL GEOMETRY AT ROAD CENTER (m): L:150.58 — PI STA: 3+087.84, D: 7°29'44.42", R: 1200.00, L: 156.99 — L:219.29

SUPERELEVATION: e:2.37% e:-2.37% — e:2.37% e:-2.37% — e:-4.66% e:4.66%

Main Road @ VERTICAL SCHEMATIC: G: -1.1%, L: 43.048 — R: 3453.3, K: 34.5, L: 159.135 — G: 3.6%, L: 152.575 — R: 3260.0, K: 32.6, L: 221.393 — G: -3.2%, L: 29.500 — R: 2700.2, K: 27.0, L: 87.490

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m): G: 3.6%, L: 311.818 — R: 2704.4, K: 27.0, L: 80.000 — G: 0.6%, L: 15.219 — R: 1133.2, K: 11.3, L: 20.000 — G: 2.4%, L: 230.183

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): G: 3.6%, L: 315.306 — R: 2565.3, K: 25.7, L: 80.000 — G: 0.4%, L: 50.491 — R: 1319.4, K: 13.2, L: 20.000 — G: 1.9%, L: 191.508

| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | FORMATION LEVEL LEFT SERVICE ROAD | GROUND LEVEL LEFT SERVICE ROAD | FORMATION LEVEL RIGHT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|---|---|
| 2+800 | 867.847 | 859.775 | 860.879 | 860.273 | 860.761 | 859.484 |
| 2+810 | 867.758 | 859.863 | 861.075 | 860.400 | 860.955 | 859.525 |
| 2+820 | 867.663 | 860.014 | 861.292 | 860.585 | 861.169 | 859.676 |
| 2+830 | 867.562 | 860.111 | 861.529 | 860.739 | 861.404 | 859.852 |
| 2+840 | 867.457 | 860.336 | 861.786 | 861.403 | 861.660 | 860.093 |
| 2+850 | 867.352 | 860.750 | 862.064 | 861.503 | 861.936 | 860.291 |
| 2+860 | 867.246 | 861.144 | 862.362 | 861.588 | 862.233 | 860.490 |
| 2+870 | 867.140 | 861.521 | 862.681 | 861.972 | 862.551 | 860.884 |
| 2+880 | 867.035 | 861.987 | 863.020 | 862.291 | 862.890 | 861.220 |
| 2+890 | 866.951 | 862.342 | 863.374 | 862.640 | 863.244 | 861.680 |
| 2+900 | 866.896 | 862.668 | 863.729 | 863.138 | 863.599 | 862.105 |
| 2+910 | 866.869 | 862.940 | 864.084 | 863.579 | 863.954 | 862.371 |
| 2+920 | 866.872 | 863.438 | 864.439 | 864.108 | 864.309 | 862.692 |
| 2+930 | 866.904 | 864.018 | 864.794 | 864.598 | 864.664 | 863.001 |
| 2+940 | 866.964 | 864.524 | 865.149 | 864.864 | 865.019 | 863.182 |
| 2+950 | 867.053 | 864.740 | 865.504 | 865.116 | 865.374 | 863.605 |
| 2+960 | 867.172 | 864.912 | 865.860 | 865.535 | 865.730 | 864.534 |
| 2+970 | 867.319 | 865.321 | 866.215 | 866.106 | 866.085 | 864.653 |
| 2+980 | 867.496 | 865.807 | 866.570 | 866.500 | 866.440 | 864.961 |
| 2+990 | [illegible] | [illegible] | 866.92? | 866.6?? | [illegible] | [illegible] |
| 3+000 | 867.935 | 866.566 | 867.280 | 866.909 | 867.150 | 865.565 |
| 3+010 | 868.198 | 866.704 | 867.635 | 867.160 | 867.505 | 865.804 |
| 3+020 | 868.491 | 866.996 | 867.990 | 867.471 | 867.860 | 866.007 |
| 3+030 | 868.812 | 867.218 | 868.345 | 868.109 | 868.215 | 866.124 |
| 3+040 | 869.160 | 867.396 | 868.700 | 868.521 | 868.570 | 866.307 |
| 3+050 | 869.515 | 867.903 | 869.055 | 868.717 | 868.925 | 866.591 |
| 3+060 | 869.871 | 868.550 | 869.411 | 868.959 | 869.281 | 867.041 |
| 3+070 | 870.226 | 868.829 | 869.766 | 869.330 | 869.636 | 867.648 |
| 3+080 | 870.581 | 869.147 | 870.121 | 869.597 | 869.991 | 868.053 |
| 3+090 | 870.936 | 869.401 | 870.476 | 869.916 | 870.346 | 868.256 |
| 3+100 | 871.291 | 869.741 | 870.831 | 870.291 | 870.701 | 868.585 |
| 3+110 | 871.646 | 870.033 | 871.186 | 870.585 | 871.056 | 869.052 |
| 3+120 | 872.001 | 870.231 | 871.541 | 871.006 | 871.411 | 869.467 |
| 3+130 | 872.356 | 870.498 | 871.896 | 871.511 | 871.766 | 869.679 |
| 3+140 | 872.711 | 870.886 | 872.251 | 871.824 | 872.121 | 869.917 |
| 3+150 | 873.066 | 871.386 | 872.606 | 872.012 | 872.476 | 870.218 |
| 3+160 | 873.422 | 871.623 | 872.962 | 872.220 | 872.832 | 870.599 |
| 3+170 | 873.777 | 871.804 | 873.317 | 872.503 | 873.187 | 871.013 |
| 3+180 | 874.132 | 872.093 | 873.672 | 872.968 | 873.542 | 871.319 |
| 3+190 | 874.487 | 872.609 | 874.027 | 873.359 | 873.897 | 871.707 |
| 3+200 | 874.824 | 873.146 | 874.377 | 873.790 | 874.251 | 872.050 |
| 3+210 | 875.131 | 873.597 | 874.694 | 874.229 | 874.580 | 872.373 |
| 3+220 | 875.408 | 874.001 | 874.975 | 874.618 | 874.870 | 872.849 |
| 3+230 | 875.653 | 874.320 | 875.218 | 875.071 | 875.121 | 873.170 |
| 3+240 | 875.868 | 874.599 | 875.424 | 875.503 | 875.333 | 873.402 |
| 3+250 | 876.052 | 874.916 | 875.594 | 875.848 | 875.506 | 873.619 |
| 3+260 | 876.206 | 875.155 | 875.726 | 876.155 | 875.640 | 873.926 |
| 3+270 | 876.329 | 875.445 | 875.822 | 876.579 | 875.735 | 874.273 |
| 3+280 | 876.421 | 875.725 | 875.885 | 876.910 | 875.791 | 874.640 |
| 3+290 | 876.483 | 876.016 | 875.944 | 877.396 | 875.835 | 875.033 |
| 3+300 | 876.514 | 876.348 | 876.048 | 877.835 | 875.878 | 875.368 |
| 3+310 | 876.514 | 877.060 | 876.239 | 878.235 | 875.921 | 875.764 |
| 3+320 | 876.483 | 877.486 | 876.475 | 878.597 | 875.964 | 876.178 |
| 3+330 | 876.422 | 877.770 | 876.711 | 878.849 | 876.008 | 876.571 |
| 3+340 | 876.330 | 877.950 | 876.947 | 879.079 | 876.099 | 876.790 |
| 3+350 | 876.208 | 878.116 | 877.183 | 879.250 | 876.264 | 876.911 |
| 3+360 | 876.055 | 878.282 | 877.418 | 879.550 | 876.459 | 877.033 |
| 3+370 | 875.871 | 878.388 | 877.654 | 879.756 | 876.654 | 876.809 |
| 3+380 | 875.656 | 878.519 | 877.890 | 880.032 | 876.849 | 876.773 |
| 3+390 | 875.411 | 878.630 | 878.126 | 880.050 | 877.044 | 876.801 |
| 3+400 | 875.135 | 878.568 | 878.361 | 879.881 | 877.239 | 876.867 |
| 3+410 | 874.829 | 878.517 | 878.597 | 879.807 | 877.433 | 877.002 |
| 3+420 | 874.505 | 878.535 | 878.833 | 879.835 | 877.628 | 877.285 |
| 3+430 | 874.181 | 878.603 | 879.069 | 879.959 | 877.823 | 877.277 |
| 3+440 | 873.857 | 878.703 | 879.304 | 880.145 | 878.018 | 877.297 |
| 3+450 | 873.551 | 878.775 | 879.540 | 880.257 | 878.213 | 877.324 |
| 3+460 | 873.281 | 878.837 | 879.776 | 880.464 | 878.408 | 877.383 |
| 3+470 | 873.049 | 879.096 | 880.012 | 880.453 | 878.602 | 877.499 |
| 3+480 | 872.854 | 879.270 | 880.248 | 880.589 | 878.797 | 877.651 |
| 3+490 | 872.696 | 879.377 | 880.483 | 880.826 | 878.992 | 877.839 |
| 3+500 | 872.575 | 879.409 | 880.719 | 880.991 | 879.187 | 878.076 |

## LONGITUDINAL SECTION

NOTES:
1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD–01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
   * RD–02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
   * RD–03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
   * RD–04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
   * RD–05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   * RD–06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD–07 : TYPICAL CROSS SECTION SCHEDULE
   * RD–08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD–09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:
- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL –1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13–01–26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

FOR INTERNAL OFFICE ONLY


CONSULTANT: STUP Consultants Pvt. Ltd. (assystem stup)
REGISTERED OFFICE : Unit No.2702, 27th Floor, Rupa Renaissance, P.No.D–33 & D–207, Juinagar, MIDC TTC Industrial Area, Turbhe, Navi Mumbai, Thane, Maharashtra–400705 Tel: +91 (022) 68067777, E–mail: mumbai@assystem.com
OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru – 560 052 Tel.: 080 – 40 39 79 79 Email : bangalore@assystem.com


OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 2800.000 TO CH: 3500.000

DRG.NO.: NO533/E/HWY/RD–325(R0)

DATE: 13–01–2026 | DRAWN: NRG | PREPARED: ADJ | CHECKED: SP | APPROVED: AC

SCALE: HOR= 1:1000 VER= 1:100

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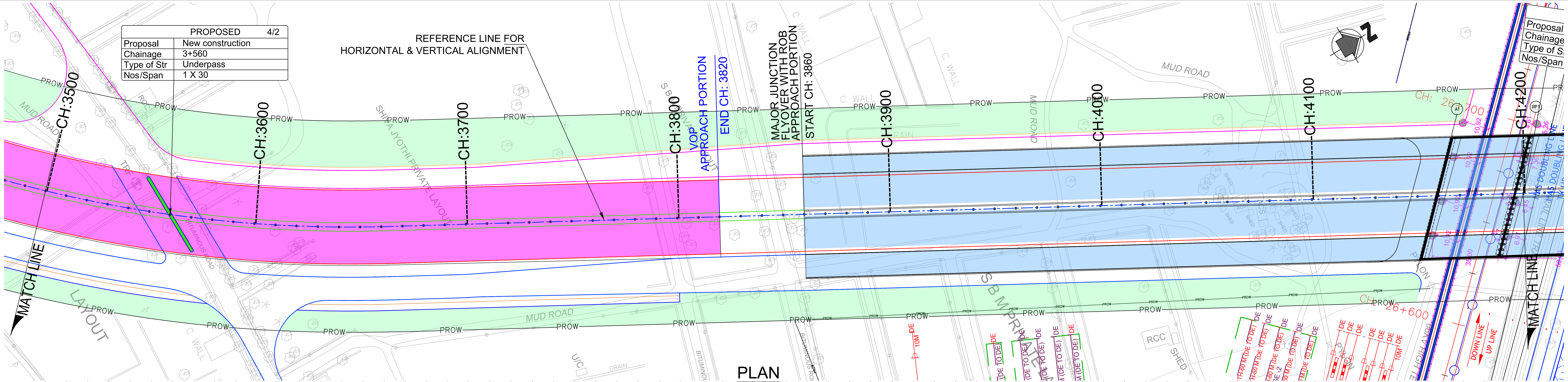
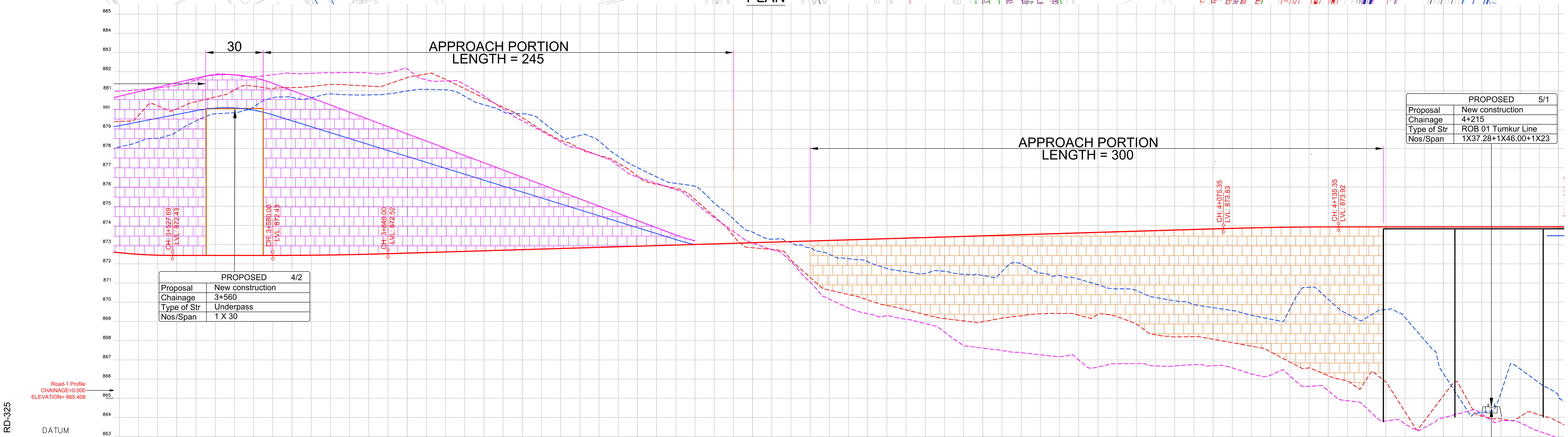
TUMKUR ROAD ←

HOSUR ROAD →




PLAN




| PROJECT CHAINAGE (m) | 3+500 | 3+510 | 3+520 | 3+530 | 3+540 | 3+550 | 3+560 | 3+570 | 3+580 | 3+590 | 3+600 | 3+610 | 3+620 | 3+630 | 3+640 | 3+650 | 3+660 | 3+670 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Main Road @ FINISHED ROAD LEVEL | 872.575 | 872.491 | 872.444 | 872.433 | 872.433 | 872.433 | 872.433 | 872.433 | 872.433 | 872.435 | 872.443 | 872.455 | 872.473 | 872.495 | 872.523 | 872.553 | 872.583 | 872.613 |
| Main Road @ EXISTING GROUND LEVEL | 879.409 | 879.719 | 880.221 | 880.054 | 880.433 | 880.679 | 881.039 | 881.243 | 881.119 | 881.171 | 881.231 | 881.332 | 881.304 | 881.245 | 881.343 | 881.690 | 881.880 | 881.596 |
| FORMATION LEVEL LEFT SERVICE ROAD | 880.719 | 880.955 | 881.191 | 881.426 | 881.662 | 881.824 | 881.833 | 881.690 | 881.393 | 881.017 | 880.641 | 880.265 | 879.889 | 879.513 | 879.137 | 878.761 | 878.385 | 878.009 |
| GROUND LEVEL LEFT SERVICE ROAD | 880.991 | 881.058 | 881.145 | 881.287 | 881.570 | 881.859 | 881.831 | 881.747 | 881.836 | 881.907 | 881.911 | 881.943 | 881.948 | 881.925 | 881.934 | 882.143 | 881.572 | 881.514 |
| FORMATION LEVEL RIGHT SERVICE ROAD | 879.187 | 879.382 | 879.576 | 879.771 | 879.966 | 880.101 | 880.111 | 879.994 | 879.751 | 879.442 | 879.133 | 878.824 | 878.515 | 878.205 | 877.896 | 877.587 | 877.278 | 876.969 |
| GROUND LEVEL RIGHT SERVICE ROAD | 878.076 | 878.345 | 878.534 | 878.877 | 879.436 | 879.801 | 879.865 | 880.164 | 880.633 | 880.657 | 880.643 | 880.843 | 880.792 | 880.789 | 880.841 | 880.995 | 881.075 | 881.057 |

| PROJECT CHAINAGE (m) | 3+680 | 3+690 | 3+700 | 3+710 | 3+720 | 3+730 | 3+740 | 3+750 | 3+760 | 3+770 | 3+780 | 3+790 | 3+800 | 3+810 | 3+820 | 3+830 | 3+840 | 3+850 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Main Road @ FINISHED ROAD LEVEL | 872.643 | 872.673 | 872.703 | 872.733 | 872.763 | 872.793 | 872.823 | 872.853 | 872.883 | 872.913 | 872.943 | 872.973 | 873.003 | 873.033 | 873.063 | 873.093 | 873.123 | 873.153 |
| Main Road @ EXISTING GROUND LEVEL | 881.112 | 880.626 | 880.145 | 879.602 | 878.964 | 878.426 | 877.993 | 877.641 | 877.238 | 876.566 | 876.138 | 875.925 | 875.351 | 874.463 | 873.456 | 872.832 | 872.744 | 872.204 |
| FORMATION LEVEL LEFT SERVICE ROAD | 877.633 | 877.257 | 876.881 | 876.505 | 876.129 | 875.753 | 875.377 | 875.001 | 874.625 | 874.249 | 873.873 | 873.497 | 873.199 | 873.052 | 873.057 | | | |
| GROUND LEVEL LEFT SERVICE ROAD | 881.324 | 880.734 | 880.054 | 879.444 | 878.902 | 878.349 | 878.004 | 877.627 | 877.108 | 876.510 | 876.183 | 875.856 | 875.194 | 874.400 | 873.684 | 873.089 | 872.735 | 872.112 |
| FORMATION LEVEL RIGHT SERVICE ROAD | 876.660 | 876.351 | 876.041 | 875.732 | 875.423 | 875.114 | 874.805 | 874.496 | 874.187 | 873.878 | 873.568 | 873.259 | 872.995 | 872.879 | 872.914 | | | |
| GROUND LEVEL RIGHT SERVICE ROAD | 880.720 | 880.278 | 879.914 | 879.806 | 879.428 | 878.655 | 878.677 | 878.386 | 877.591 | 877.004 | 876.520 | 876.186 | 876.038 | 875.161 | 874.329 | 873.645 | 873.279 | 873.101 |

| PROJECT CHAINAGE (m) | 3+860 | 3+870 | 3+880 | 3+890 | 3+900 | 3+910 | 3+920 | 3+930 | 3+940 | 3+950 | 3+960 | 3+970 | 3+980 | 3+990 | 4+000 | 4+010 | 4+020 | 4+030 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Main Road @ FINISHED ROAD LEVEL | 873.183 | 873.213 | 873.243 | 873.273 | 873.303 | 873.333 | 873.363 | 873.393 | 873.423 | 873.453 | 873.483 | 873.513 | 873.543 | 873.573 | 873.603 | 873.633 | 873.663 | 873.693 |
| Main Road @ EXISTING GROUND LEVEL | 871.290 | 870.627 | 870.398 | 870.115 | 869.826 | 869.597 | 869.351 | 869.145 | 869.022 | 868.980 | 869.169 | 869.286 | 869.388 | 869.408 | 869.318 | 869.367 | 869.243 | 868.849 |
| FORMATION LEVEL LEFT SERVICE ROAD | | | | | | | | | | | | | | | | | | |
| GROUND LEVEL LEFT SERVICE ROAD | 871.037 | 870.160 | 869.693 | 869.404 | 869.298 | 869.111 | 868.888 | 868.445 | 867.736 | 867.609 | 867.485 | 867.371 | 867.259 | 867.168 | 866.990 | 866.628 | 866.792 | 866.804 |
| FORMATION LEVEL RIGHT SERVICE ROAD | | | | | | | | | | | | | | | | | | |
| GROUND LEVEL RIGHT SERVICE ROAD | 872.826 | 872.490 | 872.263 | 872.114 | 871.752 | 871.585 | 871.495 | 871.610 | 871.445 | 871.388 | 871.592 | 871.997 | 871.519 | 871.388 | 871.196 | 870.911 | 870.693 | 870.614 |

| PROJECT CHAINAGE (m) | 4+040 | 4+050 | 4+060 | 4+070 | 4+080 | 4+090 | 4+100 | 4+110 | 4+120 | 4+130 | 4+140 | 4+150 | 4+160 | 4+170 | 4+180 | 4+190 | 4+200 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Main Road @ FINISHED ROAD LEVEL | 873.723 | 873.753 | 873.783 | 873.813 | 873.842 | 873.868 | 873.888 | 873.903 | 873.913 | 873.918 | 873.919 | 873.919 | 873.919 | 873.919 | 873.919 | 873.919 | 873.919 |
| Main Road @ EXISTING GROUND LEVEL | 868.303 | 868.191 | 868.204 | 868.069 | 867.889 | 867.709 | 867.407 | 866.883 | 866.578 | 866.175 | 865.902 | 865.999 | 865.849 | 864.293 | 863.808 | 865.124 | 865.366 |
| FORMATION LEVEL LEFT SERVICE ROAD | | | | | | | | | | | 873.459 | | | | | | |
| GROUND LEVEL LEFT SERVICE ROAD | 866.683 | 866.681 | 866.747 | 866.694 | 866.578 | 866.261 | 866.203 | 866.151 | 865.623 | 865.386 | 864.868 | 864.477 | 863.819 | 863.665 | 863.465 | 863.984 | 864.249 |
| FORMATION LEVEL RIGHT SERVICE ROAD | | | | | | | | | | | | | | | | | |
| GROUND LEVEL RIGHT SERVICE ROAD | 870.244 | 870.073 | 869.867 | 869.715 | 869.564 | 869.318 | 869.115 | 869.646 | 870.774 | 870.152 | 869.386 | 869.193 | 869.616 | 869.202 | 868.041 | 866.284 | 864.747 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m): PI STA: 3+526.76, D: 25°59'35.78", R: 612.00, L: 277.64; L:587.10

SUPERELEVATION: e:-4.66%, e:4.66%

Main Road @ VERTICAL SCHEMATIC: G: 0.0%, L: 52.313; R: 20000.0, K: 200.0, L: 60.000; G: 0.3%, L: 435.352; R: 20000.0, K: 200.0, L: 60.000; G: 0.0%, L: 120.814

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m): R: 653.9, K: 6.5, L: 40.000; G: -3.8%, L: 209.693; R: 660.0, K: 6.6, L: 34.855

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): R: 793.7, K: 7.9, L: 40.000; G: -3.1%, L: 212.009; R: 660.0, K: 6.6, L: 30.443

# LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
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   * RD-05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   * RD-06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD-07 : TYPICAL CROSS SECTION SCHEDULE
   * RD-08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD-09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL −1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

FOR INTERNAL OFFICE ONLY

CONSULTANT: STUP Consultants Pvt. Ltd. (assystem stup)

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OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru – 560 052 Tel.: 080 – 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 3500.000 TO CH: 4200.000

DRG.NO.: N0533/E/HWY/RD-326(R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: HOR= 1:1000 VER= 1:100

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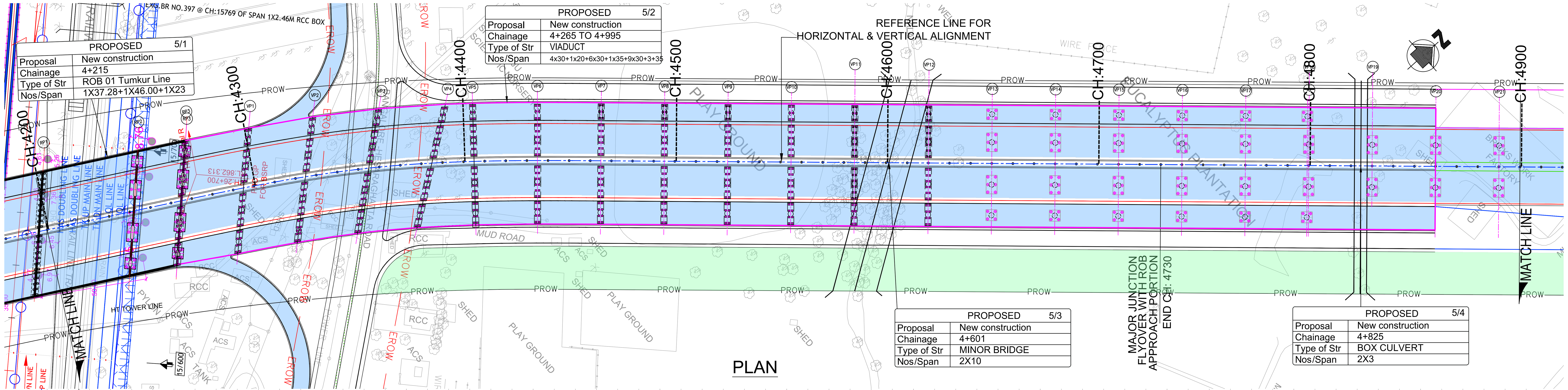
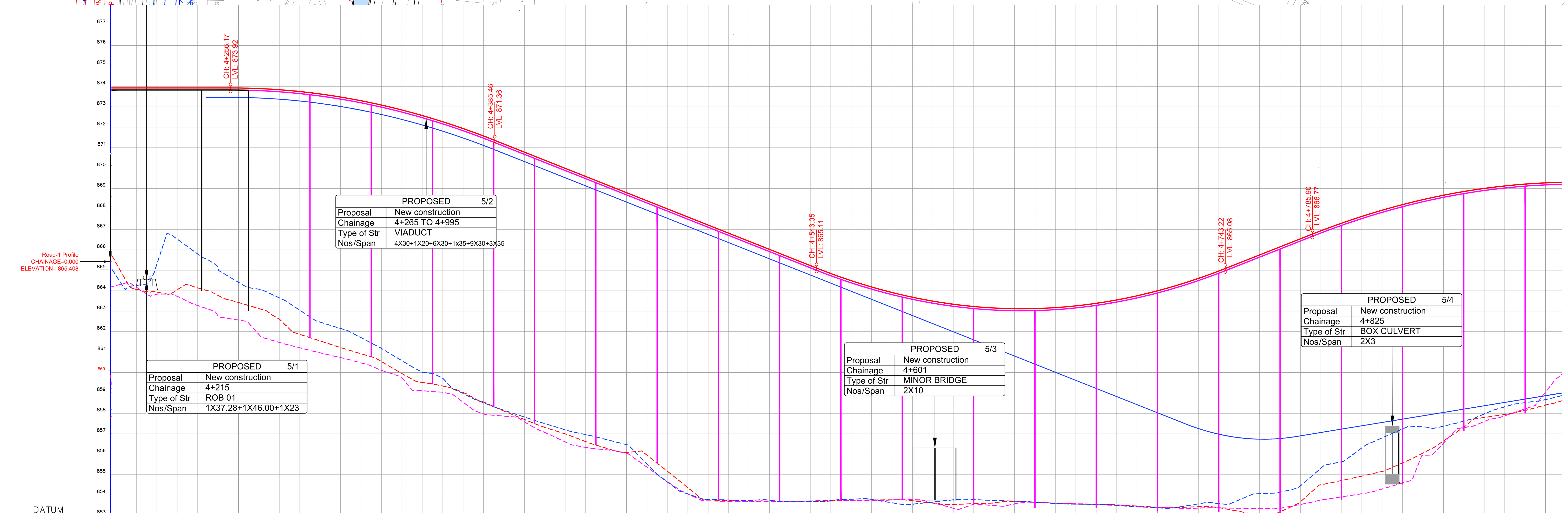
TUMKUR ROAD ←

HOSUR ROAD →




PLAN




| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | FORMATION LEVEL LEFT SERVICE ROAD | GROUND LEVEL LEFT SERVICE ROAD | FORMATION LEVEL RIGHT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|---|---|
| 4+200 | 873.919 | 865.366 | | 864.249 | | 864.747 |
| 4+210 | 873.919 | 864.070 | | 864.171 | | 864.256 |
| 4+220 | 873.919 | 863.925 | | 863.825 | | 865.285 |
| 4+230 | 873.919 | 864.043 | | 863.721 | | 866.523 |
| 4+240 | 873.919 | 864.135 | | 863.274 | | 865.796 |
| 4+250 | 873.919 | 863.768 | 873.459 | 862.755 | 873.459 | 865.068 |
| 4+260 | 873.917 | 863.422 | 873.456 | 862.561 | 873.456 | 864.410 |
| 4+270 | 873.890 | 863.122 | 873.429 | 861.858 | 873.429 | 864.072 |
| 4+280 | 873.832 | 862.608 | 873.370 | 861.467 | 873.370 | 863.647 |
| 4+290 | 873.743 | 861.861 | 873.281 | 861.204 | 873.281 | 863.045 |
| 4+300 | 873.624 | 861.539 | 873.162 | 860.956 | 873.162 | 862.460 |
| 4+310 | 873.475 | 861.215 | 873.012 | 860.724 | 873.012 | 862.149 |
| 4+320 | 873.294 | 860.914 | 872.831 | 860.465 | 872.831 | 861.701 |
| 4+330 | 873.083 | 860.530 | 872.620 | 860.099 | 872.620 | 861.171 |
| 4+340 | 872.841 | 859.943 | 872.379 | 859.746 | 872.379 | 860.574 |
| 4+350 | 872.569 | 859.510 | 872.106 | 859.105 | 872.106 | 860.008 |
| 4+360 | 872.265 | 859.333 | 871.804 | 859.031 | 871.804 | 859.716 |
| 4+370 | 871.932 | 859.014 | 871.470 | 858.540 | 871.470 | 858.972 |
| 4+380 | 871.567 | 858.548 | 871.107 | 857.969 | 871.107 | 858.513 |
| 4+390 | 871.175 | 858.106 | 870.715 | 857.860 | 870.715 | 858.147 |
| 4+400 | 870.778 | 857.698 | 870.318 | 857.584 | 870.318 | 857.817 |
| 4+410 | 870.382 | 857.307 | 869.922 | 857.059 | 869.922 | 857.494 |
| 4+420 | 869.985 | 856.991 | 869.525 | 856.598 | 869.525 | 857.190 |
| 4+430 | 869.589 | 856.614 | 869.129 | 856.330 | 869.129 | 856.958 |
| 4+440 | 869.192 | 856.293 | 868.732 | 856.213 | 868.732 | 856.717 |
| 4+450 | 868.795 | 856.080 | 868.335 | 856.033 | 868.335 | 856.465 |
| 4+460 | 868.399 | 855.952 | 867.939 | 855.363 | 867.939 | 855.517 |
| 4+470 | 868.002 | 855.165 | 867.542 | 854.660 | 867.542 | 854.636 |
| 4+480 | 867.606 | 854.361 | 867.146 | 854.055 | 867.146 | 854.052 |
| 4+490 | 867.209 | 853.756 | 866.749 | 853.711 | 866.749 | 853.788 |
| 4+500 | 866.812 | 853.723 | 866.352 | 853.691 | 866.352 | 853.756 |
| 4+510 | 866.416 | 853.700 | 865.956 | 853.665 | 865.956 | 853.731 |
| 4+520 | 866.019 | 853.709 | 865.559 | 853.689 | 865.559 | 853.739 |
| 4+530 | 865.623 | 853.700 | 865.163 | 853.689 | 865.163 | 853.672 |
| 4+540 | 865.226 | 853.708 | 864.766 | 853.693 | 864.766 | 853.682 |
| 4+550 | 864.839 | 853.730 | 864.369 | 853.704 | 864.369 | 853.721 |
| 4+560 | 864.489 | 853.745 | 863.973 | 853.720 | 863.973 | 853.794 |
| 4+570 | 864.180 | 853.758 | 863.576 | 853.720 | 863.576 | 853.778 |
| 4+580 | 863.909 | 853.762 | 863.180 | 853.759 | 863.180 | 853.620 |
| 4+590 | 863.679 | 853.717 | 862.783 | 853.775 | 862.783 | 853.550 |
| 4+600 | 863.487 | 853.605 | 862.386 | 853.618 | 862.386 | 853.658 |
| 4+610 | 863.336 | 853.539 | 861.990 | 853.353 | 861.990 | 853.765 |
| 4+620 | 863.223 | 853.574 | 861.593 | 853.548 | 861.593 | 853.775 |
| 4+630 | 863.151 | 853.617 | 861.197 | 853.483 | 861.197 | 853.735 |
| 4+640 | 863.118 | 853.681 | 860.800 | 853.567 | 860.800 | 853.700 |
| 4+650 | 863.124 | 853.649 | 860.403 | 853.642 | 860.403 | 853.649 |
| 4+660 | 863.170 | 853.602 | 860.007 | 853.600 | 860.007 | 853.587 |
| 4+670 | 863.255 | 853.560 | 859.610 | 853.571 | 859.610 | 853.554 |
| 4+680 | 863.380 | 853.551 | 859.214 | 853.533 | 859.214 | 853.542 |
| 4+690 | 863.545 | 853.518 | 858.817 | 853.499 | 858.817 | 853.495 |
| 4+700 | 863.749 | 853.460 | 858.420 | 853.441 | 858.420 | 853.420 |
| 4+710 | 863.992 | 853.401 | 858.024 | 853.378 | 858.024 | 853.380 |
| 4+720 | 864.275 | 853.390 | 857.627 | 853.360 | 857.627 | 853.402 |
| 4+730 | 864.598 | 853.427 | 857.253 | 853.359 | 857.253 | 853.567 |
| 4+740 | 864.960 | 853.380 | 856.977 | 853.370 | 856.977 | 853.581 |
| 4+750 | 865.352 | 853.197 | 856.803 | 853.352 | 856.803 | 853.761 |
| 4+760 | 865.747 | 853.010 | 856.732 | 853.336 | 856.732 | 854.063 |
| 4+770 | 866.142 | 853.178 | 856.764 | 853.347 | 856.764 | 854.134 |
| 4+780 | 866.536 | 853.667 | 856.896 | 853.538 | 856.896 | 854.448 |
| 4+790 | 866.928 | 854.501 | 857.060 | 853.752 | 857.060 | 855.309 |
| 4+800 | 867.295 | 854.706 | 857.223 | 853.906 | 857.223 | 855.621 |
| 4+810 | 867.631 | 854.922 | 857.386 | 854.061 | 857.386 | 856.300 |
| 4+820 | 867.936 | 855.153 | 857.550 | 854.293 | 857.550 | 856.795 |
| 4+830 | 868.211 | 855.572 | 857.713 | 854.587 | 857.713 | 857.234 |
| 4+840 | 868.455 | 856.053 | 857.876 | 855.922 | 857.876 | 857.333 |
| 4+850 | 868.668 | 856.642 | 858.040 | 856.536 | 858.040 | 857.367 |
| 4+860 | 868.851 | 857.324 | 858.203 | 857.300 | 858.203 | 857.615 |
| 4+870 | 869.003 | 857.793 | 858.366 | 857.597 | 858.366 | 857.966 |
| 4+880 | 869.124 | 857.940 | 858.530 | 857.876 | 858.530 | 858.314 |
| 4+890 | 869.215 | 858.137 | 858.693 | 858.214 | 858.693 | 858.520 |
| 4+900 | 869.275 | 858.404 | 858.856 | 859.034 | 858.856 | 858.670 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m): Ls: 105.000, LT: 70.040, ST: 35.037, K: 52.481; PI STA: 4+357.61, D: 0°32'23.74", R: 500.00, L: 4.71; Ls: 105.000, LT: 70.040, ST: 35.037, K: 52.481

SUPERELEVATION: e:5.00% 5.00%; e:-5.00% 5.00%

Main Road @ VERTICAL SCHEMATIC: R: 3260.0, K: 32.6, L: 129.293; G: -4.0%, L: 157.590; R: 2530.0, G: -2.3%, K: 25.3, L: 200.172, L: 286.721; G: 3.9%, L: 42.680; R: 3260.0, K: 32.6, L: 128.637

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m): R: 3273.4, K: 32.7, L: 129.823; G: -4.0%, L: 337.607; R: 972.5, K: 9.7, L: 54.459; G: 1.6%, L: 226.332

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): R: 3273.4, K: 32.7, L: 129.823; G: -4.0%, L: 337.607; R: 972.5, K: 9.7, L: 54.459; G: 1.6%, L: 226.332

## LONGITUDINAL SECTION

NOTES:
1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
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   * RD-04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
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   * RD-07 : TYPICAL CROSS SECTION SCHEDULE
   * RD-08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD-09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:
- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL -1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION ☐ INFORMATION ☐ TENDER ☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

FOR INTERNAL OFFICE ONLY

CONSULTANT: STUP Consultants Pvt. Ltd. (assystem stup)

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OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru - 560 052 Tel.: 080 - 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 4200.000 TO CH: 4900.000

DRG.NO.: N0533/E/HWY/RD-327(R0)

DATE: 13-01-2026; DRAWN: NRG; PREPARED: ADJ; CHECKED: SP; APPROVED: AC

SCALE: HOR= 1:1000 VER= 1:100

DISCLAIMER: ONLY APPROVED AND SIGNED HARD COPIES SHALL BE USED FOR CONSTRUCTION

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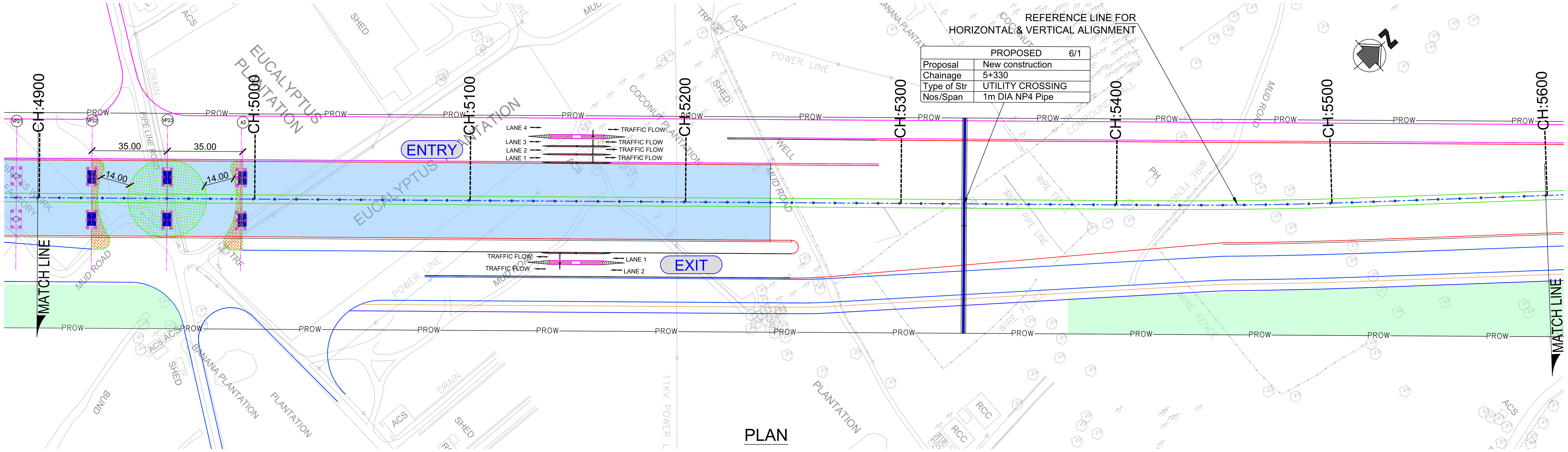
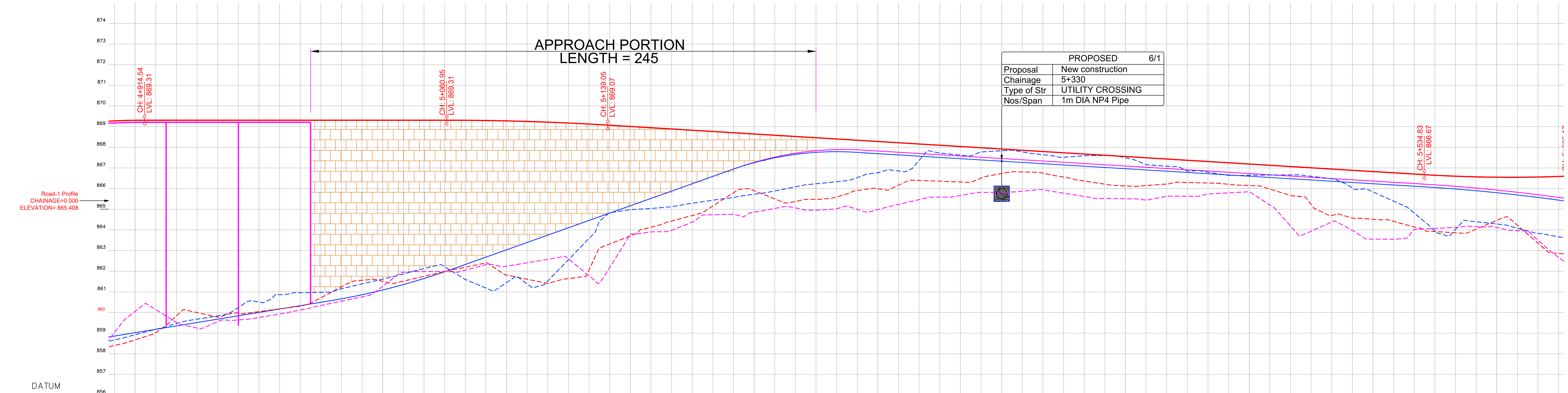
TUMKUR ROAD ←

HOSUR ROAD →




## PLAN




| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | FORMATION LEVEL LEFT SERVICE ROAD | GROUND LEVEL LEFT SERVICE ROAD | FORMATION LEVEL RIGHT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|---|---|
| 4+900 | 869.275 | 858.404 | 858.856 | 859.034 | 858.856 | 858.670 |
| 4+910 | 869.304 | 858.673 | 859.020 | 860.053 | 859.020 | 858.920 |
| 4+920 | 869.307 | 859.026 | 859.183 | 860.133 | 859.183 | 859.184 |
| 4+930 | 869.307 | 859.834 | 859.347 | 859.509 | 859.347 | 859.464 |
| 4+940 | 869.307 | 859.993 | 859.510 | 859.242 | 859.510 | 859.673 |
| 4+950 | 869.307 | 859.771 | 859.673 | 859.553 | 859.673 | 859.830 |
| 4+960 | 869.307 | 859.968 | 859.837 | 859.636 | 859.837 | 860.239 |
| 4+970 | 869.307 | 860.041 | 860.000 | 859.757 | 860.000 | 860.502 |
| 4+980 | 869.307 | 860.172 | 860.163 | 859.923 | 860.163 | 860.861 |
| 4+990 | 869.307 | 860.303 | 860.327 | 860.115 | 860.327 | 860.952 |
| 5+000 | 869.307 | 860.707 | 860.490 | 860.336 | 860.490 | 860.973 |
| 5+010 | 869.307 | 861.240 | 860.659 | 860.543 | 860.659 | 861.146 |
| 5+020 | 869.307 | 861.555 | 860.857 | 860.751 | 860.857 | 861.381 |
| 5+030 | 869.307 | 861.508 | 861.087 | 861.267 | 861.087 | 861.615 |
| 5+040 | 869.307 | 861.516 | 861.349 | 861.943 | 861.349 | 861.865 |
| 5+050 | 869.307 | 861.747 | 861.644 | 861.979 | 861.644 | 862.123 |
| 5+060 | 869.307 | 861.977 | 861.970 | 861.979 | 861.970 | 862.210 |
| 5+070 | 869.304 | 862.190 | 862.322 | 862.046 | 862.322 | 861.598 |
| 5+080 | 869.293 | 862.394 | 862.678 | 862.312 | 862.678 | 861.179 |
| 5+090 | 869.274 | 861.811 | 863.033 | 862.240 | 863.033 | 861.442 |
| 5+100 | 869.248 | 861.606 | 863.388 | 862.403 | 863.388 | 861.374 |
| 5+110 | 869.214 | 861.405 | 863.744 | 862.570 | 863.744 | 861.521 |
| 5+120 | 869.172 | 861.638 | 864.099 | 862.594 | 864.099 | 862.553 |
| 5+130 | 869.122 | 862.055 | 864.454 | 861.768 | 864.454 | 863.584 |
| 5+140 | 869.064 | 863.313 | 864.810 | 862.171 | 864.810 | 864.827 |
| 5+150 | 869.004 | 863.707 | 865.165 | 863.768 | 865.165 | 864.975 |
| 5+160 | 868.943 | 864.125 | 865.520 | 863.898 | 865.520 | 865.033 |
| 5+170 | 868.883 | 864.426 | 865.876 | 863.971 | 865.876 | 865.116 |
| 5+180 | 868.822 | 864.692 | 866.231 | 864.373 | 866.231 | 865.287 |
| 5+190 | 868.761 | 865.153 | 866.586 | 864.729 | 866.586 | 865.431 |
| 5+200 | 868.701 | 865.796 | 866.942 | 864.754 | 866.942 | 865.570 |
| 5+210 | 868.640 | 865.896 | 867.264 | 864.852 | 867.264 | 865.723 |
| 5+220 | 868.579 | 865.498 | 867.519 | 865.037 | 867.519 | 865.881 |
| 5+230 | 868.519 | 865.374 | 867.708 | 865.064 | 867.708 | 866.082 |
| 5+240 | 868.458 | 865.474 | 867.831 | 864.950 | 867.831 | 866.229 |
| 5+250 | 868.398 | 865.594 | 867.886 | 865.020 | 867.886 | 866.329 |
| 5+260 | 868.337 | 865.901 | 867.875 | 864.992 | 867.875 | 866.527 |
| 5+270 | 868.276 | 865.989 | 867.817 | 864.981 | 867.687 | 866.765 |
| 5+280 | 868.216 | 866.161 | 867.756 | 865.231 | 867.626 | 866.850 |
| 5+290 | 868.155 | 866.390 | 867.695 | 865.463 | 867.565 | 867.362 |
| 5+300 | 868.094 | 866.354 | 867.635 | 865.579 | 867.505 | 867.716 |
| 5+310 | 868.034 | 866.314 | 867.574 | 865.663 | 867.444 | 867.619 |
| 5+320 | 867.973 | 866.501 | 867.513 | 865.813 | 867.383 | 867.769 |
| 5+330 | 867.913 | 866.725 | 867.453 | 865.812 | 867.323 | 867.828 |
| 5+340 | 867.852 | 866.802 | 867.392 | 865.869 | 867.262 | 867.773 |
| 5+350 | 867.791 | 866.740 | 867.332 | 865.933 | 867.202 | 867.636 |
| 5+360 | 867.731 | 866.553 | 867.271 | 865.774 | 867.141 | 867.514 |
| 5+370 | 867.670 | 866.359 | 867.210 | 865.616 | 867.080 | 867.586 |
| 5+380 | 867.609 | 866.210 | 867.150 | 865.515 | 867.020 | 867.597 |
| 5+390 | 867.549 | 866.124 | 867.089 | 865.505 | 866.959 | 867.490 |
| 5+400 | 867.488 | 866.141 | 867.028 | 865.437 | 866.898 | 867.159 |
| 5+410 | 867.428 | 866.219 | 866.968 | 865.623 | 866.838 | 867.079 |
| 5+420 | 867.367 | 866.290 | 866.907 | 865.626 | 866.777 | 866.845 |
| 5+430 | 867.306 | 866.266 | 866.846 | 865.731 | 866.716 | 866.789 |
| 5+440 | 867.246 | 866.204 | 866.786 | 865.788 | 866.656 | 866.635 |
| 5+450 | 867.185 | 866.147 | 866.725 | 865.842 | 866.595 | 866.642 |
| 5+460 | 867.124 | 865.973 | 866.665 | 865.201 | 866.535 | 866.653 |
| 5+470 | 867.064 | 865.663 | 866.604 | 864.185 | 866.474 | 866.658 |
| 5+480 | 867.003 | 865.226 | 866.543 | 863.933 | 866.413 | 866.592 |
| 5+490 | 866.943 | 864.694 | 866.483 | 864.375 | 866.353 | 866.472 |
| 5+500 | 866.882 | 864.566 | 866.422 | 863.971 | 866.292 | 866.028 |
| 5+510 | 866.821 | 864.509 | 866.361 | 863.550 | 866.231 | 865.833 |
| 5+520 | 866.761 | 864.409 | 866.301 | 863.543 | 866.171 | 865.387 |
| 5+530 | 866.700 | 864.136 | 866.240 | 864.020 | 866.110 | 864.808 |
| 5+540 | 866.641 | 863.918 | 866.178 | 864.068 | 866.048 | 863.942 |
| 5+550 | 866.596 | 863.858 | 866.105 | 864.117 | 865.975 | 864.021 |
| 5+560 | 866.564 | 864.035 | 866.021 | 864.155 | 865.891 | 864.390 |
| 5+570 | 866.547 | 864.459 | 865.925 | 864.115 | 865.795 | 864.282 |
| 5+580 | 866.545 | 864.217 | 865.817 | 863.957 | 865.687 | 864.079 |
| 5+590 | 866.557 | 863.350 | 865.698 | 863.498 | 865.568 | 863.825 |
| 5+600 | 866.584 | 862.853 | 865.566 | 862.662 | 865.436 | 863.657 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m): L:935.21; Ls: 50.000, LT: 33.334, ST: 16.667, K: 25.000; PI STA: 5+468.37, D: 1°02'31.38", R: 2000.00, L: 36.37; Ls: 50.000, LT: 33.334, ST: 16.667, K: 25.000; L:13

SUPERELEVATION: e:-2.22%, e:2.22%; e:-2.22%, e:2.22%

Main Road @ VERTICAL SCHEMATIC: G: 0.0%, L: 146.413; R: 12882.7, K: 128.8, L: 78.099; G: -0.6%, L: 395.781; R: 6894.0, K: 68.9, L: 70.340

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m): R: 3125.7, K: 31.3, L: 60.000; G: 3.6%, L: 135.918; R: 1500.0, K: 15.0, L: 62.391; G: -0.6%, L: 283.712; R: 8516.0, K: 85.2, L: 70.340

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): R: 3125.7, K: 31.3, L: 60.000; G: 3.6%, L: 135.918; R: 1500.0, K: 15.0, L: 62.391; G: -0.6%, L: 282.038; R: 8516.0, K: 85.2, L: 70.340

## LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
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   * RD-07 : TYPICAL CROSS SECTION SCHEDULE
   * RD-08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD-09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL -1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

FOR INTERNAL OFFICE ONLY


CONSULTANT: STUP Consultants Pvt. Ltd. (assystem stup)

REGISTERED OFFICE : Unit No.2702, 27th Floor, Rupa Renaissance, P.No.D-33 & D-207, Juinagar, MIDC TTC Industrial Area, Turbhe, Navi Mumbai, Thane, Maharashtra-400705 Tel: +91 (022) 68067777, E-mail: mumbai@assystem.com

OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru - 560 052 Tel.: 080 - 40 39 79 79 Email : bangalore@assystem.com


OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 4900.000 TO CH: 5600.000

DRG.NO.: NO533/E/HWY/RD-328(R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: HOR= 1:1000 VER= 1:100

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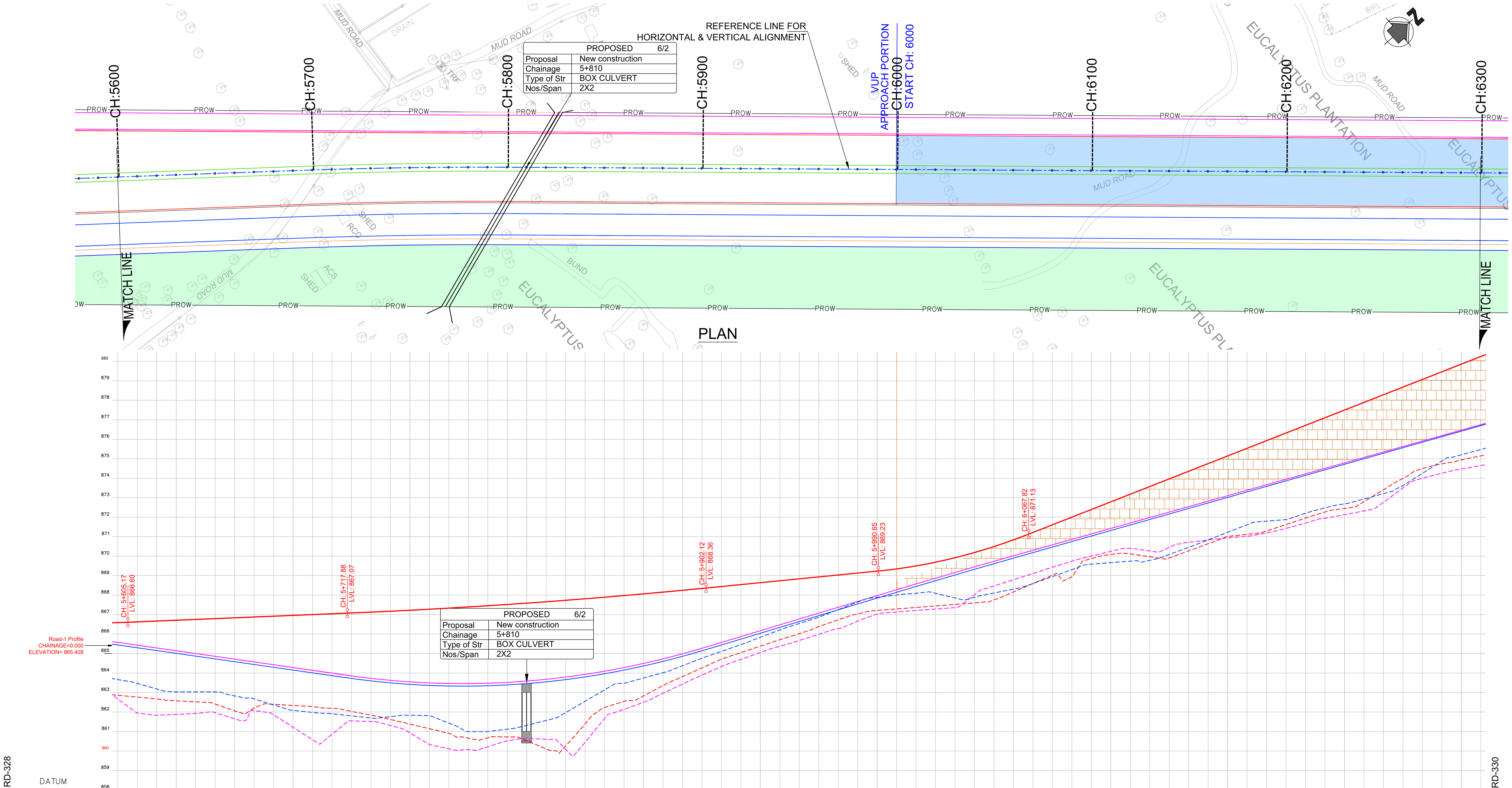
TUMKUR ROAD ←

HOSUR ROAD →




| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | FORMATION LEVEL LEFT SERVICE ROAD | GROUND LEVEL LEFT SERVICE ROAD | FORMATION LEVEL RIGHT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|---|---|
| 5+600 | 866.584 | 862.853 | 865.566 | 862.662 | 865.436 | 863.657 |
| 5+610 | 866.623 | 862.762 | 865.425 | 861.946 | 865.295 | 863.462 |
| 5+620 | 866.665 | 862.667 | 865.281 | 861.832 | 865.151 | 863.178 |
| 5+630 | 866.706 | 862.571 | 865.138 | 861.867 | 865.008 | 863.028 |
| 5+640 | 866.747 | 862.517 | 864.995 | 861.925 | 864.865 | 863.030 |
| 5+650 | 866.789 | 862.405 | 864.852 | 861.959 | 864.722 | 863.028 |
| 5+660 | 866.830 | 862.053 | 864.709 | 861.646 | 864.579 | 862.821 |
| 5+670 | 866.872 | 862.205 | 864.565 | 862.065 | 864.435 | 862.671 |
| 5+680 | 866.913 | 862.392 | 864.422 | 861.852 | 864.292 | 862.358 |
| 5+690 | 866.955 | 862.332 | 864.279 | 861.211 | 864.149 | 862.078 |
| 5+700 | 866.996 | 862.271 | 864.136 | 860.571 | 864.006 | 861.976 |
| 5+710 | 867.037 | 862.184 | 863.992 | 860.854 | 863.862 | 861.904 |
| 5+720 | 867.079 | 862.026 | 863.850 | 861.540 | 863.720 | 861.796 |
| 5+730 | 867.122 | 861.834 | 863.724 | 861.511 | 863.594 | 861.689 |
| 5+740 | 867.169 | 861.611 | 863.622 | 861.303 | 863.492 | 861.757 |
| 5+750 | 867.219 | 861.374 | 863.544 | 860.920 | 863.414 | 861.827 |
| 5+760 | 867.272 | 861.137 | 863.490 | 860.330 | 863.360 | 861.811 |
| 5+770 | 867.328 | 860.901 | 863.460 | 860.105 | 863.330 | 861.425 |
| 5+780 | 867.387 | 860.652 | 863.455 | 860.068 | 863.325 | 860.995 |
| 5+790 | 867.449 | 860.673 | 863.473 | 860.210 | 863.343 | 860.995 |
| 5+800 | 867.515 | 860.718 | 863.516 | 860.513 | 863.386 | 861.115 |
| 5+810 | 867.583 | 860.520 | 863.583 | 860.635 | 863.453 | 861.311 |
| 5+820 | 867.655 | 860.102 | 863.673 | 860.597 | 863.543 | 861.561 |
| 5+830 | 867.729 | 860.254 | 863.788 | 860.084 | 863.658 | 861.963 |
| 5+840 | 867.807 | 861.388 | 863.927 | 860.444 | 863.797 | 862.549 |
| 5+850 | 867.888 | 862.231 | 864.090 | 861.664 | 863.960 | 863.134 |
| 5+860 | 867.972 | 862.542 | 864.278 | 862.129 | 864.148 | 863.469 |
| 5+870 | 868.059 | 862.820 | 864.489 | 862.497 | 864.359 | 863.740 |
| 5+880 | 868.149 | 863.351 | 864.724 | 862.957 | 864.594 | 864.014 |
| 5+890 | 868.243 | 863.812 | 864.984 | 863.432 | 864.854 | 864.369 |
| 5+900 | 868.339 | 864.259 | 865.267 | 863.887 | 865.137 | 864.756 |
| 5+910 | 868.437 | 864.706 | 865.567 | 864.332 | 865.437 | 865.106 |
| 5+920 | 868.536 | 865.048 | 865.868 | 864.697 | 865.738 | 865.454 |
| 5+930 | 868.635 | 865.378 | 866.169 | 865.050 | 866.039 | 865.832 |
| 5+940 | 868.733 | 865.708 | 866.470 | 865.371 | 866.340 | 866.208 |
| 5+950 | 868.832 | 866.018 | 866.770 | 865.667 | 866.640 | 866.541 |
| 5+960 | 868.930 | 866.378 | 867.071 | 865.987 | 866.941 | 866.863 |
| 5+970 | 869.029 | 866.731 | 867.372 | 866.273 | 867.242 | 867.253 |
| 5+980 | 869.128 | 867.034 | 867.673 | 866.656 | 867.543 | 867.640 |
| 5+990 | 869.226 | 867.208 | 867.973 | 867.018 | 867.843 | 867.883 |
| 6+000 | 869.342 | 867.285 | 868.273 | 867.130 | 868.143 | 868.003 |
| 6+010 | 869.495 | 867.363 | 868.570 | 867.209 | 868.441 | 868.092 |
| 6+020 | 869.686 | 867.440 | 868.864 | 867.282 | 868.736 | 868.090 |
| 6+030 | 869.916 | 867.517 | 869.156 | 867.354 | 869.029 | 867.852 |
| 6+040 | 870.183 | 867.595 | 869.445 | 868.020 | 869.319 | 867.886 |
| 6+050 | 870.489 | 867.750 | 869.731 | 868.467 | 869.608 | 868.105 |
| 6+060 | 870.833 | 868.157 | 870.015 | 868.786 | 869.894 | 868.304 |
| 6+070 | 871.214 | 868.591 | 870.296 | 869.105 | 870.178 | 868.587 |
| 6+080 | 871.606 | 869.025 | 870.576 | 869.427 | 870.461 | 868.946 |
| 6+090 | 871.999 | 868.938 | 870.857 | 869.736 | 870.745 | 869.306 |
| 6+100 | 872.391 | 869.868 | 871.137 | 870.000 | 871.028 | 869.586 |
| 6+110 | 872.784 | 870.084 | 871.417 | 870.241 | 871.311 | 869.663 |
| 6+120 | 873.176 | 870.114 | 871.698 | 870.395 | 871.595 | 869.739 |
| 6+130 | 873.569 | 869.965 | 871.978 | 870.261 | 871.878 | 869.780 |
| 6+140 | 873.962 | 869.903 | 872.258 | 870.446 | 872.161 | 870.083 |
| 6+150 | 874.354 | 870.269 | 872.539 | 870.706 | 872.445 | 870.450 |
| 6+160 | 874.747 | 870.635 | 872.819 | 870.825 | 872.728 | 870.834 |
| 6+170 | 875.139 | 871.008 | 873.099 | 870.931 | 873.011 | 871.222 |
| 6+180 | 875.532 | 871.114 | 873.380 | 871.020 | 873.295 | 871.610 |
| 6+190 | 875.924 | 871.289 | 873.660 | 871.195 | 873.578 | 871.794 |
| 6+200 | 876.317 | 871.620 | 873.940 | 871.423 | 873.861 | 871.871 |
| 6+210 | 876.710 | 871.951 | 874.221 | 871.695 | 874.144 | 872.194 |
| 6+220 | 877.102 | 872.264 | 874.501 | 871.944 | 874.428 | 872.471 |
| 6+230 | 877.495 | 872.444 | 874.781 | 872.127 | 874.711 | 872.678 |
| 6+240 | 877.887 | 872.793 | 875.062 | 872.317 | 874.994 | 872.931 |
| 6+250 | 878.280 | 873.403 | 875.342 | 872.760 | 875.278 | 873.205 |
| 6+260 | 878.672 | 873.986 | 875.622 | 873.495 | 875.561 | 873.614 |
| 6+270 | 879.065 | 874.491 | 875.903 | 873.990 | 875.844 | 874.246 |
| 6+280 | 879.458 | 874.730 | 876.183 | 874.254 | 876.128 | 874.880 |
| 6+290 | 879.850 | 874.934 | 876.463 | 874.468 | 876.411 | 875.198 |
| 6+300 | 880.243 | 875.142 | 876.744 | 874.644 | 876.694 | 875.469 |

| Row | Segments (left to right) | | | | |
|---|---|---|---|---|---|
| HORIZONTAL GEOMETRY AT ROAD CENTER (m) | L:131.88 | Ls: 50.000 LT: 33.334 ST: 16.667 K: 25.000 | PI STA: 5+746.30 D: 1°16'37.06" R: 2500.00 L: 55.72 | Ls: 50.000 LT: 33.334 ST: 16.667 K: 25.000 | L:668.87 |
| SUPERELEVATION | | | | | |
| Main Road @ VERTICAL SCHEMATIC | G: 0.4% L: 112.708 | R: 32211.0 K: 322.1 L: 184.245 | G: 1.0% L: 88.525 | R: 2625.2 K: 26.3 L: 77.173 | G: 3.9% L: 304.284 |
| VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m) | G: -1.4% L: 112.708 | R: 4150.0 K: 41.5 L: 184.245 | G: 3.0% L: 88.525 | R: 37840.9 K: 378.4 L: 77.173 | G: 2.8% L: 368.277 |
| VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m) | G: -1.4% L: 112.708 | R: 4150.0 K: 41.5 L: 184.245 | G: 3.0% L: 88.525 | R: 44298.7 K: 443.0 L: 77.173 | G: 2.8% L: 368.277 |

# LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
   * RD-02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
   * RD-03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
   * RD-04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
   * RD-05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   * RD-06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD-07 : TYPICAL CROSS SECTION SCHEDULE
   * RD-08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD-09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL −1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | CHECKED BY | SIGN | DATE | | CHECKED BY | SIGN | DATE |
|---|---|---|---|---|---|---|---|
| GIS | | | | | | | |
| HIGHWAYS | | | | MAJOR STRUCTURES | | | |
| ELECTRICAL | | | | IRRIGATION/ WATER RESOURCES | | | |
| BUILDINGS | | | | PHE / PLUMBING/ FIREFIGHTING | | | |
| ARCHITECTURE | | | | MECHANICAL / HVAC | | | |

FOR INTERNAL OFFICE ONLY


CONSULTANT
STUP Consultants Pvt. Ltd.
assystem stup
REGISTERED OFFICE : Unit No.2702, 27th Floor, Rupa Renaissance, P.No.D-33 & D-207, Juinagar, MIDC TTC Industrial Area, Turbhe, Navi Mumbai, Thane, Maharashtra-400705 Tel: +91 (022) 68067777, E-mail: mumbai@assystem.com
OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru – 560 052 Tel.: 080 – 40 39 79 79 Email : bangalore@assystem.com


OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 5600.000 TO CH: 6300.000

DRG.NO.: NO533/E/HWY/RD-329(R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: HOR= 1:1000 VER= 1:100

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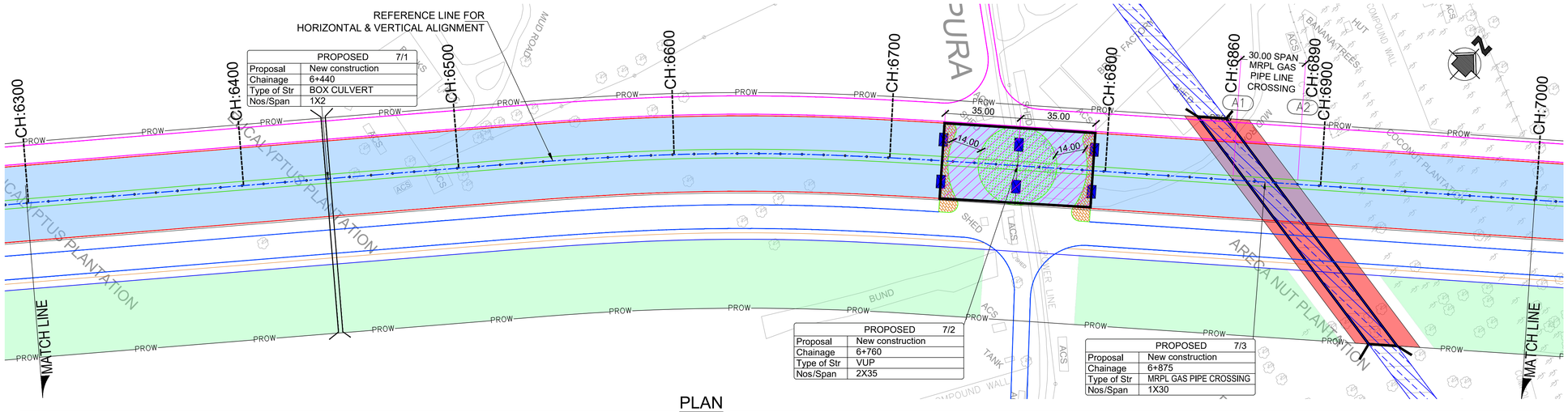
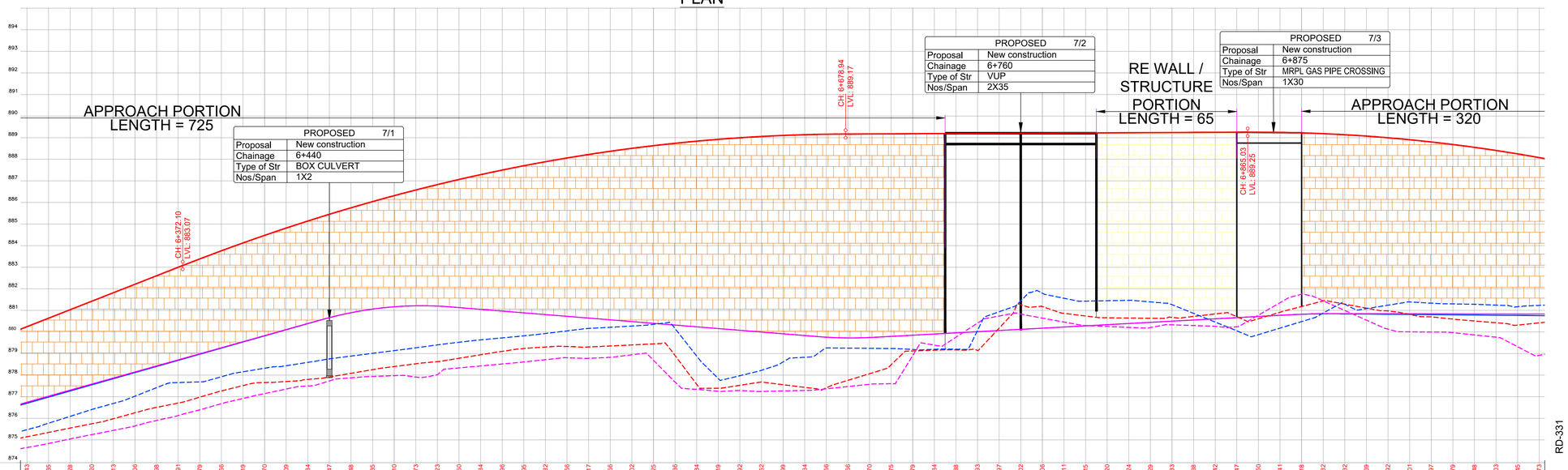
TUMKUR ROAD

HOSUR ROAD




## PLAN




RD-329

RD-331

DATUM

| | |
|---|---|
| Main Road @ FINISHED ROAD LEVEL | 875.142 880.243 / 875.341 880.635 / 875.545 881.028 / 875.742 881.420 / 875.976 881.813 / 876.232 882.206 / 876.503 882.598 / 876.704 882.991 / 876.975 883.379 / 877.264 883.756 / 877.512 884.119 / 877.654 884.470 / 877.700 884.809 / 877.799 885.134 / 877.911 885.447 / 878.081 885.748 / 878.251 886.035 / 878.394 886.310 / 878.522 886.573 / 878.621 886.823 / 878.777 887.060 / 878.940 887.284 / 879.098 887.496 / 879.230 887.695 / 879.299 887.882 / 879.323 888.056 / 879.332 888.217 / 879.347 888.366 / 879.394 888.502 / 879.444 888.625 / 878.904 888.736 / 877.570 888.834 / 877.389 888.919 / 877.325 888.992 / 877.877 889.052 / 877.552 889.099 / 877.429 889.134 / 877.408 889.156 / 877.755 889.166 / 878.062 889.170 / 878.475 889.175 / 879.118 889.179 / 879.152 889.184 / 879.164 889.188 / 879.142 889.193 / 880.175 889.197 / 881.230 889.202 / 881.173 889.206 / 880.859 889.211 / 880.736 889.215 / 880.653 889.220 / 880.642 889.224 / 880.630 889.229 / 880.671 889.233 / 880.716 889.238 / 880.831 889.242 / 880.734 889.247 / 880.608 889.250 / 880.910 889.241 / 881.175 889.218 / 881.434 889.182 / 881.099 889.132 / 880.988 889.069 / 880.808 888.992 / 880.698 888.901 / 880.592 888.797 / 880.556 888.679 / 880.556 888.548 / 880.423 888.403 / 880.315 888.245 / 880.417 888.073 |
| Main Road @ EXISTING GROUND LEVEL | 875.142 880.243 / 875.341 880.635 / 875.545 881.028 / 875.742 881.420 / 875.976 881.813 / 876.232 882.206 / 876.503 882.598 / 876.704 882.991 / 876.975 883.379 / 877.264 883.756 / 877.512 884.119 / 877.654 884.470 / 877.700 884.809 / 877.799 885.134 / 877.911 885.447 / 878.081 885.748 / 878.251 886.035 / 878.394 886.310 / 878.522 886.573 / 878.621 886.823 / 878.777 887.060 / 878.940 887.284 / 879.098 887.496 / 879.230 887.695 / 879.299 887.882 / 879.323 888.056 / 879.332 888.217 / 879.347 888.366 / 879.394 888.502 / 879.444 888.625 / 878.904 888.736 / 877.570 888.834 / 877.389 888.919 / 877.325 888.992 / 877.877 889.052 / 877.552 889.099 / 877.429 889.134 / 877.408 889.156 / 877.755 889.166 / 878.062 889.170 / 878.475 889.175 / 879.118 889.179 / 879.152 889.184 / 879.164 889.188 / 879.142 889.193 / 880.175 889.197 / 881.230 889.202 / 881.173 889.206 / 880.859 889.211 / 880.736 889.215 / 880.653 889.220 / 880.642 889.224 / 880.630 889.229 / 880.671 889.233 / 880.716 889.238 / 880.831 889.242 / 880.734 889.247 / 880.608 889.250 / 880.910 889.241 / 881.175 889.218 / 881.434 889.182 / 881.099 889.132 / 880.988 889.069 / 880.808 888.992 / 880.698 888.901 / 880.592 888.797 / 880.556 888.679 / 880.556 888.548 / 880.423 888.403 / 880.315 888.245 / 880.417 888.073 |
| HORIZONTAL GEOMETRY AT ROAD CENTER (m) | Ls: 110.000 LT: 73.344 ST: 36.676 K: 54.995 / PI STA: 6+925.35 D: 2°26'11.75" R: 1050.00 L: 44.65 / Ls: 110.000 LT: 73.344 ST: 36.676 K: 54.995 |
| SUPERELEVATION | e:4.23% e:4.23% / e:4.23% e:4.23% |
| Main Road @ VERTICAL SCHEMATIC | R: 7906.9 K: 79.1 L: 306.841 / G: 0.0% L: 186.085 / R: 736 K: 73 L: 270 |
| FORMATION LEVEL LEFT SERVICE ROAD | 874.644 876.744 / 875.040 877.024 / 875.241 877.305 / 875.437 877.865 / 875.642 878.145 / 875.895 878.426 / 876.134 878.706 / 876.387 878.987 / 876.675 879.267 / 876.917 879.547 / 877.140 879.828 / 877.352 880.108 / 877.493 880.388 / 877.729 880.664 / 877.872 880.891 / 877.935 881.057 / 877.972 881.163 / 877.909 881.210 / 878.017 881.195 / 878.331 881.126 / 878.422 881.045 / 878.513 880.964 / 878.608 880.883 / 878.712 880.802 / 878.803 880.721 / 878.848 880.640 / 878.774 880.640 / 878.635 880.559 / 878.537 880.478 / 878.696 880.397 / 878.679 880.316 / 878.350 880.235 / 877.338 880.154 / 877.247 880.073 / 877.286 880.073 / 877.340 879.992 / 877.264 879.911 / 877.299 879.830 / 877.362 879.753 / 877.468 879.719 / 877.572 879.739 / 877.598 879.793 / 879.005 879.847 / 879.387 879.901 / 879.754 879.955 / 880.437 880.009 / 880.735 880.063 / 880.839 880.117 / 880.639 880.171 / 880.456 880.226 / 880.295 880.280 / 880.252 880.334 / 880.209 880.389 / 880.199 880.442 / 880.327 880.496 / 880.394 880.550 / 880.355 880.605 / 880.237 880.659 / 880.775 880.713 / 881.351 880.767 / 881.743 880.820 / 881.439 880.846 / 881.991 880.845 / 881.544 880.844 / 881.126 880.842 / 880.951 880.840 / 880.962 880.838 / 880.865 880.837 / 880.859 880.835 / 880.753 880.833 / 880.731 880.831 / 880.713 880.829 |
| GROUND LEVEL LEFT SERVICE ROAD | 874.644 876.744 / 875.040 877.024 / 875.241 877.305 / 875.437 877.865 / 875.642 878.145 / 875.895 878.426 / 876.134 878.706 / 876.387 878.987 / 876.675 879.267 / 876.917 879.547 / 877.140 879.828 / 877.352 880.108 / 877.493 880.388 / 877.729 880.664 / 877.872 880.891 / 877.935 881.057 / 877.972 881.163 / 877.909 881.210 / 878.017 881.195 / 878.331 881.126 / 878.422 881.045 / 878.513 880.964 / 878.608 880.883 / 878.712 880.802 / 878.803 880.721 / 878.848 880.640 / 878.774 880.640 / 878.635 880.559 / 878.537 880.478 / 878.696 880.397 / 878.679 880.316 / 878.350 880.235 / 877.338 880.154 / 877.247 880.073 / 877.286 880.073 / 877.340 879.992 / 877.264 879.911 / 877.299 879.830 / 877.362 879.753 / 877.468 879.719 / 877.572 879.739 / 877.598 879.793 / 879.005 879.847 / 879.387 879.901 / 879.754 879.955 / 880.437 880.009 / 880.735 880.063 / 880.839 880.117 / 880.639 880.171 / 880.456 880.226 / 880.295 880.280 / 880.252 880.334 / 880.209 880.389 / 880.199 880.442 / 880.327 880.496 / 880.394 880.550 / 880.355 880.605 / 880.237 880.659 / 880.775 880.713 / 881.351 880.767 / 881.743 880.820 / 881.439 880.846 / 881.991 880.845 / 881.544 880.844 / 881.126 880.842 / 880.951 880.840 / 880.962 880.838 / 880.865 880.837 / 880.859 880.835 / 880.753 880.833 / 880.731 880.831 / 880.713 880.829 |
| VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m) | R: 1660.7 K: 16.6 L: 60.000 / G: -0.8% L: 170.108 / R: 1868.7 K: 18.7 L: 25.242 / G: 0.5% L: 196.299 / R: 2594.9 K: 25.9 L: 14.507 |
| FORMATION LEVEL RIGHT SERVICE ROAD | 875.469 876.694 / 875.770 876.978 / 876.086 877.261 / 876.403 877.544 / 876.684 877.828 / 877.021 878.111 / 877.416 878.394 / 877.653 878.677 / 877.684 878.961 / 877.921 879.244 / 878.151 879.527 / 878.317 879.811 / 878.431 880.094 / 878.597 880.377 / 878.751 880.656 / 878.879 880.885 / 879.006 881.054 / 879.132 881.162 / 879.262 881.209 / 879.397 881.195 / 879.519 881.125 / 879.630 881.045 / 879.721 880.964 / 879.817 880.883 / 879.926 880.802 / 880.046 880.721 / 880.160 880.640 / 880.212 880.559 / 880.271 880.478 / 880.349 880.397 / 880.153 880.316 / 876.852 880.235 / 877.808 880.154 / 877.969 880.073 / 878.223 879.992 / 878.608 879.911 / 878.824 879.830 / 879.256 879.753 / 879.247 879.719 / 879.250 879.739 / 879.184 879.792 / 879.184 879.846 / 879.194 879.901 / 879.197 879.955 / 880.071 880.009 / 880.931 880.063 / 881.436 880.117 / 881.793 880.171 / 881.557 880.225 / 881.424 880.280 / 881.443 880.334 / 881.462 880.389 / 881.389 880.442 / 881.260 880.496 / 880.857 880.550 / 880.454 880.604 / 880.050 880.659 / 879.871 880.713 / 880.174 880.767 / 880.477 880.814 / 880.872 880.830 / 881.278 880.834 / 881.076 880.825 / 881.256 880.816 / 881.387 880.807 / 881.330 880.798 / 881.295 880.788 / 881.277 880.779 / 881.241 880.770 / 881.163 880.761 / 881.227 880.752 |
| GROUND LEVEL RIGHT SERVICE ROAD | 875.469 876.694 / 875.770 876.978 / 876.086 877.261 / 876.403 877.544 / 876.684 877.828 / 877.021 878.111 / 877.416 878.394 / 877.653 878.677 / 877.684 878.961 / 877.921 879.244 / 878.151 879.527 / 878.317 879.811 / 878.431 880.094 / 878.597 880.377 / 878.751 880.656 / 878.879 880.885 / 879.006 881.054 / 879.132 881.162 / 879.262 881.209 / 879.397 881.195 / 879.519 881.125 / 879.630 881.045 / 879.721 880.964 / 879.817 880.883 / 879.926 880.802 / 880.046 880.721 / 880.160 880.640 / 880.212 880.559 / 880.271 880.478 / 880.349 880.397 / 880.153 880.316 / 876.852 880.235 / 877.808 880.154 / 877.969 880.073 / 878.223 879.992 / 878.608 879.911 / 878.824 879.830 / 879.256 879.753 / 879.247 879.719 / 879.250 879.739 / 879.184 879.792 / 879.184 879.846 / 879.194 879.901 / 879.197 879.955 / 880.071 880.009 / 880.931 880.063 / 881.436 880.117 / 881.793 880.171 / 881.557 880.225 / 881.424 880.280 / 881.443 880.334 / 881.462 880.389 / 881.389 880.442 / 881.260 880.496 / 880.857 880.550 / 880.454 880.604 / 880.050 880.659 / 879.871 880.713 / 880.174 880.767 / 880.477 880.814 / 880.872 880.830 / 881.278 880.834 / 881.076 880.825 / 881.256 880.816 / 881.387 880.807 / 881.330 880.798 / 881.295 880.788 / 881.277 880.779 / 881.241 880.770 / 881.163 880.761 / 881.227 880.752 |
| VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m) | R: 1647.1 K: 16.5 L: 60.000 / G: -0.8% L: 170.108 / R: 1868.4 K: 18.7 L: 25.244 / G: 0.5% L: 190.794 / R: 4029.1 K: 40.3 L: 25.516 |
| PROJECT CHAINAGE (m) | 6+300 6+310 6+320 6+330 6+340 6+350 6+360 6+370 6+380 6+390 6+400 6+410 6+420 6+430 6+440 6+450 6+460 6+470 6+480 6+490 6+500 6+510 6+520 6+530 6+540 6+550 6+560 6+570 6+580 6+590 6+600 6+610 6+620 6+630 6+640 6+650 6+660 6+670 6+680 6+690 6+700 6+710 6+720 6+730 6+740 6+750 6+760 6+770 6+780 6+790 6+800 6+810 6+820 6+830 6+840 6+850 6+860 6+870 6+880 6+890 6+900 6+910 6+920 6+930 6+940 6+950 6+960 6+970 6+980 6+990 7+000 |

# LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
   * RD-02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
   * RD-03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
   * RD-04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
   * RD-05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   * RD-06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD-07 : TYPICAL CROSS SECTION SCHEDULE
   * RD-08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD-09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL −1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMINARY

RELEASED FOR

| | | | | | | |
|---|---|---|---|---|---|---|
| GIS | | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE | |

FOR INTERNAL OFFICE ONLY

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OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 6300.000 TO CH: 7000.000

DRG.NO.: NO533/E/HWY/RD-330(R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: HOR= 1:1000 VER= 1:1000

DISCLAIMER: ONLY APPROVED AND SIGNED HARD COPIES SHALL BE USED FOR CONSTRUCTION

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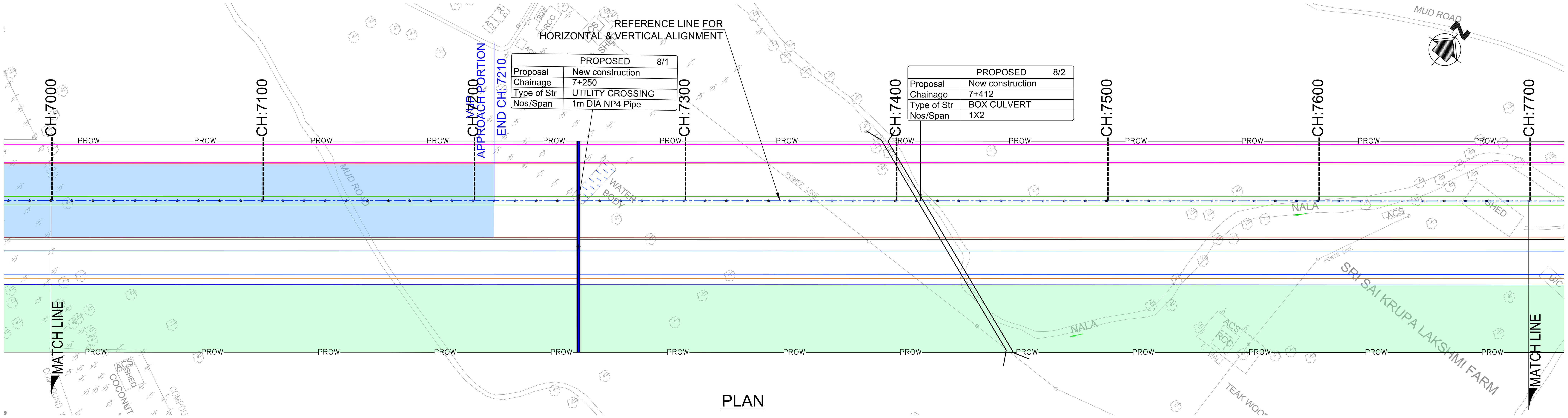
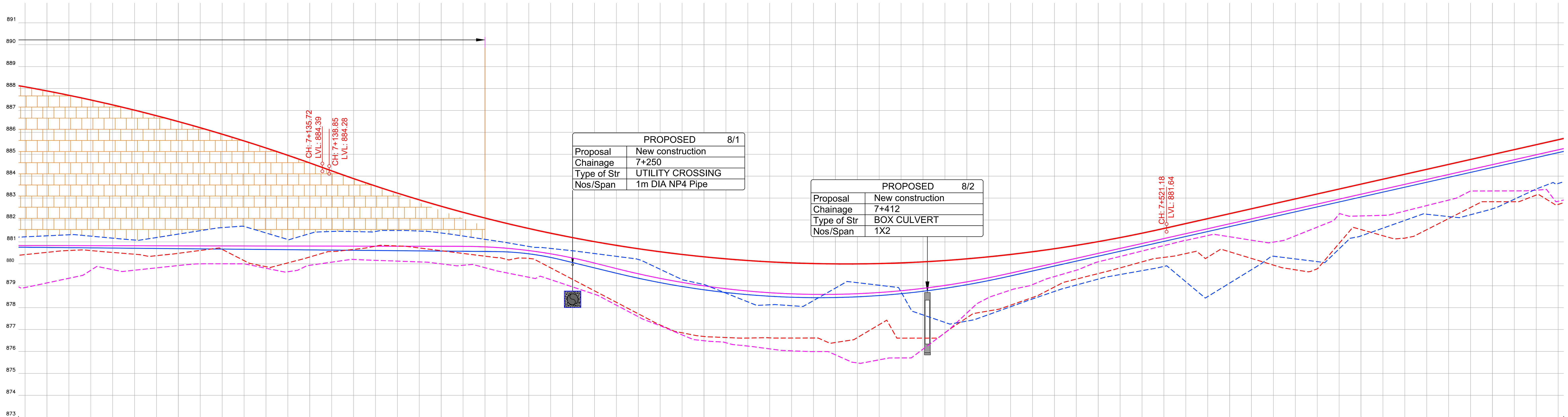
TUMKUR ROAD ←

HOSUR ROAD →




## PLAN




RD-330

RD-332

DATUM 873

| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | FORMATION LEVEL LEFT SERVICE ROAD | GROUND LEVEL LEFT SERVICE ROAD | FORMATION LEVEL RIGHT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|---|---|
| 7+000 | 888.073 | 880.417 | 880.829 | 878.913 | 880.752 | 881.227 |
| 7+010 | 887.887 | 880.520 | 880.828 | 879.124 | 880.742 | 881.274 |
| 7+020 | 887.688 | 880.604 | 880.826 | 879.336 | 880.733 | 881.321 |
| 7+030 | 887.475 | 880.601 | 880.824 | 879.701 | 880.724 | 881.259 |
| 7+040 | 887.248 | 880.516 | 880.822 | 879.731 | 880.715 | 881.167 |
| 7+050 | 887.008 | 880.434 | 880.820 | 879.705 | 880.706 | 881.081 |
| 7+060 | 886.755 | 880.368 | 880.819 | 879.812 | 880.696 | 881.196 |
| 7+070 | 886.488 | 880.476 | 880.817 | 879.918 | 880.687 | 881.353 |
| 7+080 | 886.207 | 880.607 | 880.815 | 879.995 | 880.678 | 881.509 |
| 7+090 | 885.912 | 880.654 | 880.813 | 879.997 | 880.669 | 881.649 |
| 7+100 | 885.604 | 880.143 | 880.812 | 879.996 | 880.660 | 881.703 |
| 7+110 | 885.283 | 879.866 | 880.810 | 879.795 | 880.651 | 881.404 |
| 7+120 | 884.948 | 880.040 | 880.808 | 879.636 | 880.641 | 881.105 |
| 7+130 | 884.599 | 880.308 | 880.806 | 879.929 | 880.632 | 881.376 |
| 7+140 | 884.238 | 880.558 | 880.804 | 880.072 | 880.623 | 881.472 |
| 7+150 | 883.884 | 880.655 | 880.803 | 880.196 | 880.614 | 881.468 |
| 7+160 | 883.546 | 880.802 | 880.801 | 880.155 | 880.605 | 881.472 |
| 7+170 | 883.223 | 880.813 | 880.799 | 880.119 | 880.595 | 881.517 |
| 7+180 | 882.915 | 880.719 | 880.797 | 880.084 | 880.586 | 881.492 |
| 7+190 | 882.623 | 880.594 | 880.796 | 879.994 | 880.577 | 881.403 |
| 7+200 | 882.346 | 880.469 | 880.794 | 879.929 | 880.568 | 881.264 |
| 7+210 | 882.085 | 880.345 | 880.771 | 879.818 | 880.559 | 881.113 |
| 7+220 | 881.838 | 880.194 | 880.707 | 879.581 | 880.540 | 880.960 |
| 7+230 | 881.608 | 880.245 | 880.600 | 879.383 | 880.452 | 880.788 |
| 7+240 | 881.392 | 879.811 | 880.452 | 879.274 | 880.287 | 880.698 |
| 7+250 | 881.192 | 879.287 | 880.262 | 878.941 | 880.053 | 880.592 |
| 7+260 | 881.008 | 878.763 | 880.031 | 878.608 | 879.810 | 880.465 |
| 7+270 | 880.839 | 878.239 | 879.778 | 878.109 | 879.567 | 880.337 |
| 7+280 | 880.685 | 877.715 | 879.541 | 877.583 | 879.339 | 880.194 |
| 7+290 | 880.546 | 877.203 | 879.331 | 877.171 | 879.137 | 879.746 |
| 7+300 | 880.423 | 876.849 | 879.147 | 876.754 | 878.961 | 879.282 |
| 7+310 | 880.316 | 876.679 | 878.990 | 876.487 | 878.811 | 879.051 |
| 7+320 | 880.223 | 876.633 | 878.859 | 876.394 | 878.687 | 878.658 |
| 7+330 | 880.146 | 876.609 | 878.755 | 876.242 | 878.589 | 878.260 |
| 7+340 | 880.085 | 876.617 | 878.678 | 876.115 | 878.517 | 878.126 |
| 7+350 | 880.039 | 876.609 | 878.626 | 876.025 | 878.471 | 878.084 |
| 7+360 | 880.008 | 876.611 | 878.602 | 875.992 | 878.452 | 878.319 |
| 7+370 | 879.993 | 876.406 | 878.604 | 875.843 | 878.458 | 878.888 |
| 7+380 | 879.993 | 876.628 | 878.632 | 875.473 | 878.490 | 879.136 |
| 7+390 | 880.008 | 877.220 | 878.687 | 875.615 | 878.548 | 879.018 |
| 7+400 | 880.039 | 876.605 | 878.769 | 875.700 | 878.633 | 878.707 |
| 7+410 | 880.085 | 876.604 | 878.877 | 876.103 | 878.743 | 877.664 |
| 7+420 | 880.147 | 876.845 | 879.011 | 876.850 | 878.879 | 877.323 |
| 7+430 | 880.224 | 877.535 | 879.172 | 877.748 | 879.041 | 877.382 |
| 7+440 | 880.316 | 877.846 | 879.360 | 878.456 | 879.230 | 877.680 |
| 7+450 | 880.424 | 878.109 | 879.574 | 878.798 | 879.444 | 878.038 |
| 7+460 | 880.547 | 878.460 | 879.799 | 879.048 | 879.669 | 878.393 |
| 7+470 | 880.685 | 878.939 | 880.024 | 879.413 | 879.894 | 878.735 |
| 7+480 | 880.839 | 879.299 | 880.249 | 879.704 | 880.119 | 879.028 |
| 7+490 | 881.009 | 879.551 | 880.474 | 880.085 | 880.344 | 879.299 |
| 7+500 | 881.193 | 879.810 | 880.699 | 880.333 | 880.569 | 879.506 |
| 7+510 | 881.393 | 880.086 | 880.924 | 880.580 | 880.794 | 879.685 |
| 7+520 | 881.609 | 880.290 | 881.149 | 880.827 | 881.019 | 879.876 |
| 7+530 | 881.833 | 880.464 | 881.373 | 881.066 | 881.243 | 879.177 |
| 7+540 | 882.058 | 880.300 | 881.598 | 881.286 | 881.468 | 878.501 |
| 7+550 | 882.283 | 880.545 | 881.823 | 881.231 | 881.693 | 879.115 |
| 7+560 | 882.508 | 880.241 | 882.048 | 881.074 | 881.918 | 879.728 |
| 7+570 | 882.733 | 879.938 | 882.273 | 880.988 | 882.143 | 880.343 |
| 7+580 | 882.958 | 879.723 | 882.498 | 881.271 | 882.368 | 880.219 |
| 7+590 | 883.183 | 879.768 | 882.723 | 881.670 | 882.593 | 880.096 |
| 7+600 | 883.408 | 880.928 | 882.948 | 882.261 | 882.818 | 880.679 |
| 7+610 | 883.633 | 881.560 | 883.173 | 882.182 | 883.043 | 881.270 |
| 7+620 | 883.858 | 881.278 | 883.398 | 882.208 | 883.268 | 881.623 |
| 7+630 | 884.083 | 881.170 | 883.623 | 882.404 | 883.493 | 881.977 |
| 7+640 | 884.308 | 881.553 | 883.848 | 882.654 | 883.718 | 882.260 |
| 7+650 | 884.533 | 882.060 | 884.073 | 882.905 | 883.943 | 882.152 |
| 7+660 | 884.757 | 882.568 | 884.297 | 883.321 | 884.167 | 882.236 |
| 7+670 | 884.982 | 882.832 | 884.522 | 883.322 | 884.392 | 882.507 |
| 7+680 | 885.207 | 882.832 | 884.747 | 883.326 | 884.617 | 882.943 |
| 7+690 | 885.432 | 883.134 | 884.972 | 883.358 | 884.842 | 883.410 |
| 7+700 | 885.657 | 882.707 | 885.197 | 882.851 | 885.067 | 883.661 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m): L:1837.73

SUPERELEVATION

Main Road @ VERTICAL SCHEMATIC: R: 7360.0 K: 73.6 L: 270.686; G: -3.6% L: 3.135; R: 6500.0 K: 65.0 L: 382.328; G: 2.2% L: 297.531

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m): G: -0.0% L: 297.746; R: 2392.4 K: 23.9 L: 60.000; G: -2.5% L: 9.062; R: 3769.6 K: 37.7 L: 180.000; G: 2.2% L: 366.365

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): G: -0.1% L: 307.242; R: 1280.8 K: 12.8 L: 30.000; G: -2.4% L: 24.062; R: 3843.3 K: 38.4 L: 180.000; G: 2.2% L: 370.776

## LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
   * RD-02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
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   * RD-04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
   * RD-05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   * RD-06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD-07 : TYPICAL CROSS SECTION SCHEDULE
   * RD-08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD-09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL −1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

FOR INTERNAL OFFICE ONLY

CONSULTANT: STUP Consultants Pvt. Ltd.

REGISTERED OFFICE : Unit No.2702, 27th Floor, Rupa Renaissance, P.No.D-33 & D-207, Juinagar, MIDC TTC Industrial Area, Turbhe, Navi Mumbai, Thane, Maharashtra-400705 Tel: +91 (022) 68067777, E-mail: mumbai@assystem.com

OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru – 560 052 Tel.: 080 – 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 7000.000 TO CH: 7700.000

DRG.NO.: N0533/E/HWY/RD-331(R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC

SCALE: HOR= 1:1000 VER= 1:100

DISCLAIMER: ONLY APPROVED AND SIGNED HARD COPIES SHALL BE USED FOR CONSTRUCTION

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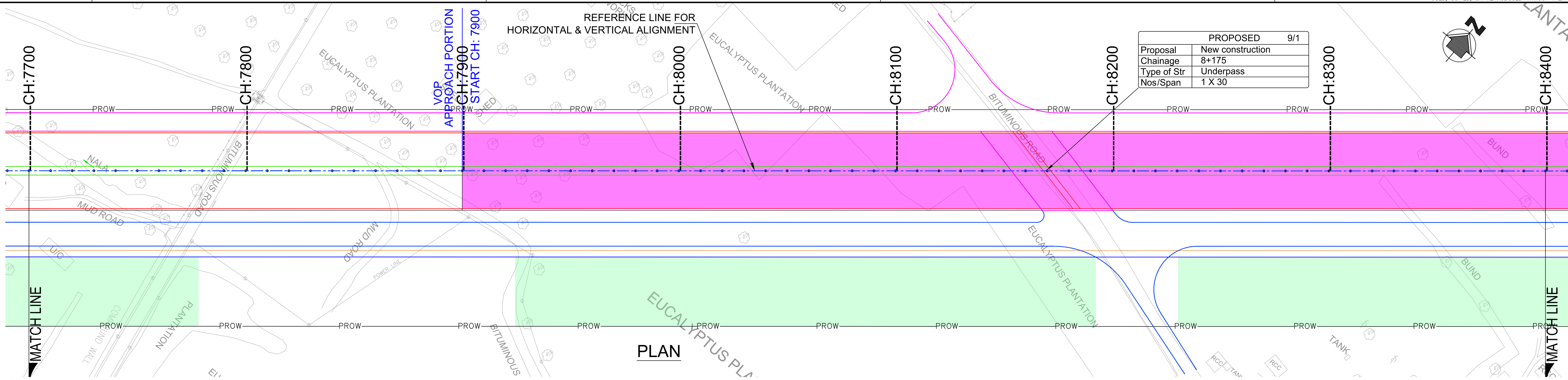
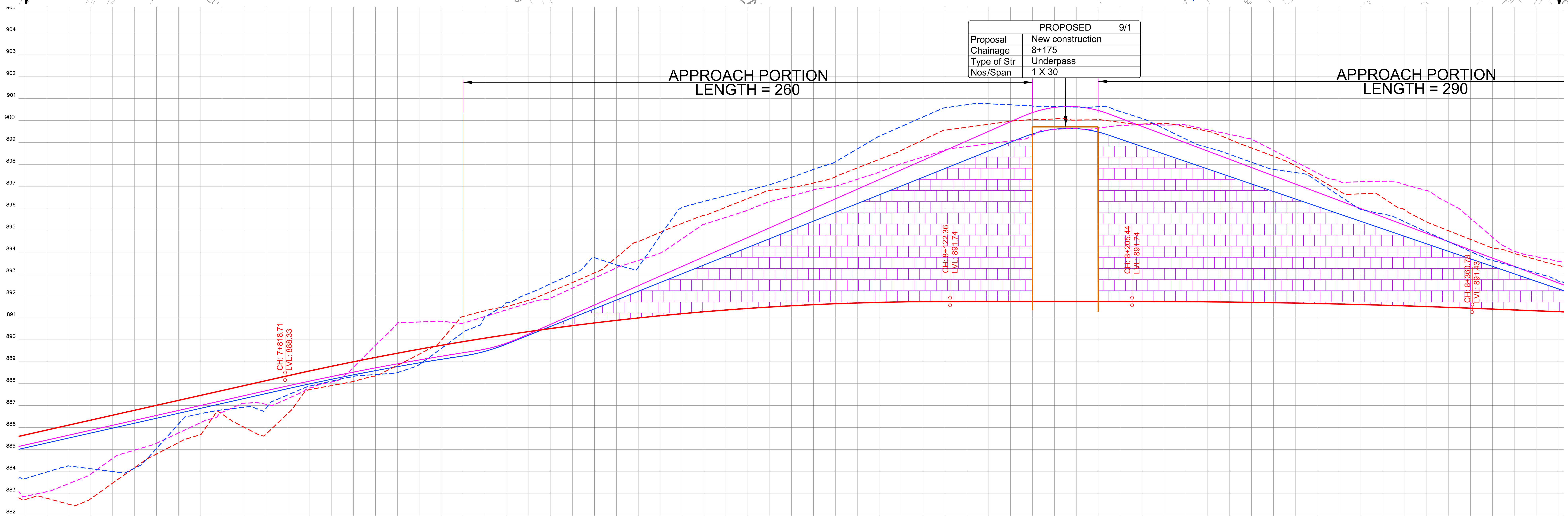
TUMKUR ROAD ←

HOSUR ROAD →




## PLAN




| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | FORMATION LEVEL LEFT SERVICE ROAD | GROUND LEVEL LEFT SERVICE ROAD | FORMATION LEVEL RIGHT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|---|---|
| 7+700 | 885.657 | 882.707 | 885.197 | 882.851 | 885.067 | 883.661 |
| 7+710 | 885.882 | 882.766 | 885.422 | 883.069 | 885.292 | 883.967 |
| 7+720 | 886.107 | 882.493 | 885.647 | 883.437 | 885.517 | 884.241 |
| 7+730 | 886.332 | 882.745 | 885.872 | 883.870 | 885.742 | 884.113 |
| 7+740 | 886.557 | 883.460 | 886.097 | 884.588 | 885.967 | 883.985 |
| 7+750 | 886.782 | 884.163 | 886.322 | 884.962 | 886.192 | 884.136 |
| 7+760 | 887.007 | 884.785 | 886.547 | 885.272 | 886.417 | 885.038 |
| 7+770 | 887.232 | 885.304 | 886.772 | 885.742 | 886.642 | 886.146 |
| 7+780 | 887.457 | 885.664 | 886.997 | 886.212 | 886.867 | 886.622 |
| 7+790 | 887.681 | 886.606 | 887.221 | 886.692 | 887.091 | 886.800 |
| 7+800 | 887.906 | 886.008 | 887.446 | 887.104 | 887.316 | 886.920 |
| 7+810 | 888.131 | 885.692 | 887.671 | 887.056 | 887.541 | 886.865 |
| 7+820 | 888.356 | 886.637 | 887.895 | 887.313 | 887.766 | 887.482 |
| 7+830 | 888.576 | 887.724 | 888.113 | 887.800 | 887.986 | 887.886 |
| 7+840 | 888.789 | 887.909 | 888.322 | 888.071 | 888.197 | 888.112 |
| 7+850 | 888.995 | 888.100 | 888.522 | 888.747 | 888.397 | 888.329 |
| 7+860 | 889.193 | 888.347 | 888.715 | 889.750 | 888.589 | 888.410 |
| 7+870 | 889.383 | 888.828 | 888.900 | 890.747 | 888.770 | 888.500 |
| 7+880 | 889.567 | 889.342 | 889.076 | 890.808 | 888.942 | 888.866 |
| 7+890 | 889.743 | 889.968 | 889.245 | 890.843 | 889.105 | 889.594 |
| 7+900 | 889.911 | 891.057 | 889.405 | 890.757 | 889.258 | 890.334 |
| 7+910 | 890.072 | 891.318 | 889.569 | 891.060 | 889.469 | 891.044 |
| 7+920 | 890.226 | 891.508 | 889.848 | 891.368 | 889.807 | 891.684 |
| 7+930 | 890.372 | 891.803 | 890.261 | 891.668 | 890.207 | 892.109 |
| 7+940 | 890.510 | 892.196 | 890.701 | 891.899 | 890.607 | 892.556 |
| 7+950 | 890.642 | 892.609 | 891.141 | 892.355 | 891.007 | 892.998 |
| 7+960 | 890.766 | 893.047 | 891.581 | 892.811 | 891.407 | 893.740 |
| 7+970 | 890.882 | 893.750 | 892.021 | 893.292 | 891.807 | 893.410 |
| 7+980 | 890.992 | 894.479 | 892.461 | 893.613 | 892.207 | 893.303 |
| 7+990 | 891.093 | 894.896 | 892.902 | 893.947 | 892.607 | 894.740 |
| 8+000 | 891.188 | 895.306 | 893.342 | 894.602 | 893.007 | 896.029 |
| 8+010 | 891.275 | 895.671 | 893.782 | 895.261 | 893.407 | 896.307 |
| 8+020 | 891.354 | 896.043 | 894.222 | 895.582 | 893.807 | 896.567 |
| 8+030 | 891.426 | 896.438 | 894.662 | 895.910 | 894.207 | 896.814 |
| 8+040 | 891.491 | 896.813 | 895.102 | 896.296 | 894.607 | 897.068 |
| 8+050 | 891.548 | 896.948 | 895.543 | 896.556 | 895.007 | 897.406 |
| 8+060 | 891.598 | 897.147 | 895.983 | 896.833 | 895.407 | 897.766 |
| 8+070 | 891.641 | 897.433 | 896.423 | 896.996 | 895.807 | 898.113 |
| 8+080 | 891.676 | 897.834 | 896.863 | 897.316 | 896.207 | 898.701 |
| 8+090 | 891.703 | 898.223 | 897.303 | 897.643 | 896.607 | 899.280 |
| 8+100 | 891.724 | 898.629 | 897.743 | 898.024 | 897.007 | 899.720 |
| 8+110 | 891.736 | 899.109 | 898.184 | 898.334 | 897.407 | 900.160 |
| 8+120 | 891.742 | 899.554 | 898.624 | 898.653 | 897.807 | 900.576 |
| 8+130 | 891.742 | 899.690 | 899.064 | 898.809 | 898.207 | 900.717 |
| 8+140 | 891.742 | 899.826 | 899.504 | 898.937 | 898.607 | 900.760 |
| 8+150 | 891.742 | 899.963 | 899.944 | 899.064 | 899.007 | 900.712 |
| 8+160 | 891.742 | 900.034 | 900.359 | 899.321 | 899.384 | 900.658 |
| 8+170 | 891.742 | 900.069 | 900.595 | 899.586 | 899.599 | 900.627 |
| 8+180 | 891.742 | 900.019 | 900.627 | 899.631 | 899.628 | 900.611 |
| 8+190 | 891.742 | 900.031 | 900.456 | 899.651 | 899.472 | 900.625 |
| 8+200 | 891.742 | 899.914 | 900.106 | 899.764 | 899.153 | 900.406 |
| 8+210 | 891.742 | 899.834 | 899.730 | 899.819 | 898.812 | 900.092 |
| 8+220 | 891.739 | 899.858 | 899.354 | 899.792 | 898.470 | 899.631 |
| 8+230 | 891.734 | 899.710 | 898.979 | 899.792 | 898.128 | 899.148 |
| 8+240 | 891.727 | 899.508 | 898.603 | 899.578 | 897.786 | 898.767 |
| 8+250 | 891.717 | 899.135 | 898.227 | 899.364 | 897.445 | 898.452 |
| 8+260 | 891.704 | 898.745 | 897.852 | 899.146 | 897.103 | 898.094 |
| 8+270 | 891.689 | 898.371 | 897.476 | 898.636 | 896.761 | 897.773 |
| 8+280 | 891.671 | 897.929 | 897.101 | 898.122 | 896.420 | 897.623 |
| 8+290 | 891.651 | 897.364 | 896.725 | 897.609 | 896.078 | 897.233 |
| 8+300 | 891.628 | 896.785 | 896.349 | 897.234 | 895.736 | 896.571 |
| 8+310 | 891.602 | 896.653 | 895.974 | 897.206 | 895.395 | 895.933 |
| 8+320 | 891.574 | 896.473 | 895.598 | 897.230 | 895.053 | 895.731 |
| 8+330 | 891.544 | 895.913 | 895.222 | 897.075 | 894.711 | 895.375 |
| 8+340 | 891.510 | 895.368 | 894.847 | 896.803 | 894.370 | 894.915 |
| 8+350 | 891.475 | 894.968 | 894.471 | 896.234 | 894.028 | 894.468 |
| 8+360 | 891.437 | 894.574 | 894.096 | 895.535 | 893.686 | 894.022 |
| 8+370 | 891.397 | 894.192 | 893.720 | 894.680 | 893.345 | 893.614 |
| 8+380 | 891.357 | 893.933 | 893.344 | 894.031 | 893.003 | 893.326 |
| 8+390 | 891.317 | 893.651 | 892.969 | 893.784 | 892.661 | 893.038 |
| 8+400 | 891.278 | 893.402 | 892.593 | 893.580 | 892.319 | 892.675 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m)

SUPERELEVATION

Main Road @ VERTICAL SCHEMATIC: R: 13500.0 K: 135.0 L: 303.648; G: 0.0% L: 83.082; R: 39080.9 K: 390.8 L: 155.342

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m): R: 12306.3 K: 123.1 L: 90.000; G: 1.5% L: 0.736; R: 693.6 K: 6.9 L: 20.000; G: 4.4% L: 228.838; R: 490.3 K: 4.9 L: 40.000; G: -3.8% L: 275.588

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): R: 10426.5 K: 104.3 L: 80.000; G: 1.5% L: 0.104; R: 794.2 K: 7.9 L: 20.000; G: 4.0% L: 235.058; R: 539.3 K: 5.4 L: 40.000; G: -3.4% L: 275.588

## LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD–01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
   * RD–02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
   * RD–03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
   * RD–04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
   * RD–05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   * RD–06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD–07 : TYPICAL CROSS SECTION SCHEDULE
   * RD–08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD–09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL –1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13–01–26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION ☐ INFORMATION ☐ TENDER ☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

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CONSULTANT: STUP Consultants Pvt. Ltd. (assystem stup)

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OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 7700.000 TO CH: 8400.000

DRG.NO.: N0533/E/HWY/RD–332(R0)

DATE 13–01–2026 | DRAWN NRG | PREPARED ADJ | CHECKED SP | APPROVED AC

SCALE: HOR= 1:1000 VER= 1:100

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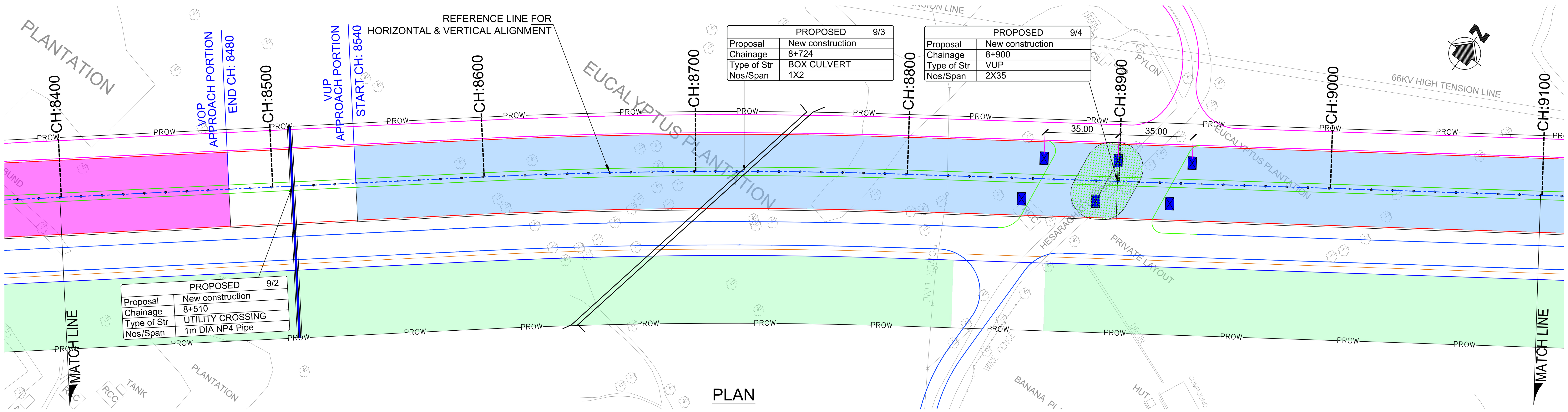
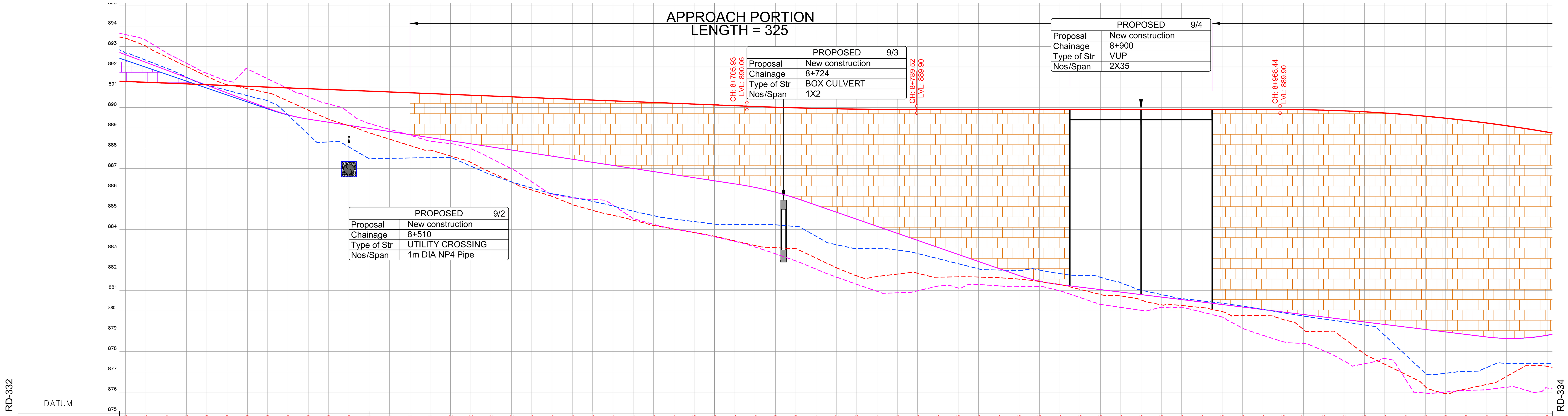
TUMKUR ROAD ←

HOSUR ROAD →




## PLAN




| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | FORMATION LEVEL LEFT SERVICE ROAD | GROUND LEVEL LEFT SERVICE ROAD | FORMATION LEVEL RIGHT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|---|---|
| 8+400 | 891.278 | 893.402 | 892.593 | 893.580 | 892.319 | 892.675 |
| 8+410 | 891.238 | 893.014 | 892.217 | 893.305 | 891.978 | 892.323 |
| 8+420 | 891.198 | 892.491 | 891.842 | 892.698 | 891.636 | 891.936 |
| 8+430 | 891.158 | 892.013 | 891.466 | 892.180 | 891.294 | 891.487 |
| 8+440 | 891.119 | 891.536 | 891.091 | 891.675 | 890.953 | 891.105 |
| 8+450 | 891.079 | 891.112 | 890.715 | 891.296 | 890.611 | 890.842 |
| 8+460 | 891.039 | 890.927 | 890.339 | 891.890 | 890.269 | 890.579 |
| 8+470 | 890.999 | 890.716 | 889.964 | 891.408 | 889.928 | 890.325 |
| 8+480 | 890.960 | 890.315 | 889.638 | 890.926 | 889.628 | 889.621 |
| 8+490 | 890.920 | 889.865 | 889.423 | 890.521 | 889.423 | 888.679 |
| 8+500 | 890.880 | 889.425 | 889.272 | 890.169 | 889.272 | 888.303 |
| 8+510 | 890.840 | 889.101 | 889.120 | 889.744 | 889.120 | 888.053 |
| 8+520 | 890.801 | 888.754 | 888.968 | 889.205 | 888.968 | 887.486 |
| 8+530 | 890.761 | 888.441 | 888.817 | 888.923 | 888.817 | 887.500 |
| 8+540 | 890.721 | 888.128 | 888.665 | 888.639 | 888.665 | 887.514 |
| 8+550 | 890.681 | 887.901 | 888.514 | 888.338 | 888.514 | 887.528 |
| 8+560 | 890.642 | 887.614 | 888.362 | 888.219 | 888.362 | 887.542 |
| 8+570 | 890.602 | 887.297 | 888.211 | 887.974 | 888.211 | 887.115 |
| 8+580 | 890.562 | 886.805 | 888.059 | 887.495 | 888.059 | 886.682 |
| 8+590 | 890.522 | 886.337 | 887.907 | 886.987 | 887.907 | 886.344 |
| 8+600 | 890.483 | 885.943 | 887.756 | 886.346 | 887.756 | 886.042 |
| 8+610 | 890.443 | 885.626 | 887.604 | 885.723 | 887.604 | 885.757 |
| 8+620 | 890.403 | 885.229 | 887.453 | 885.559 | 887.453 | 885.581 |
| 8+630 | 890.363 | 884.937 | 887.301 | 885.474 | 887.301 | 885.379 |
| 8+640 | 890.324 | 884.695 | 887.150 | 885.197 | 887.150 | 885.151 |
| 8+650 | 890.284 | 884.456 | 886.998 | 884.532 | 886.998 | 884.893 |
| 8+660 | 890.244 | 884.197 | 886.846 | 884.252 | 886.846 | 884.677 |
| 8+670 | 890.204 | 884.022 | 886.695 | 884.035 | 886.695 | 884.515 |
| 8+680 | 890.165 | 883.850 | 886.543 | 883.848 | 886.543 | 884.387 |
| 8+690 | 890.125 | 883.666 | 886.392 | 883.643 | 886.392 | 884.266 |
| 8+700 | 890.085 | 883.438 | 886.240 | 883.414 | 886.240 | 884.250 |
| 8+710 | 890.046 | 883.208 | 886.066 | 883.133 | 886.066 | 884.245 |
| 8+720 | 890.010 | 883.103 | 885.832 | 882.805 | 885.832 | 884.228 |
| 8+730 | 889.980 | 883.051 | 885.538 | 882.454 | 885.538 | 884.144 |
| 8+740 | 889.954 | 882.591 | 885.195 | 882.049 | 885.195 | 883.665 |
| 8+750 | 889.932 | 882.117 | 884.849 | 881.659 | 884.849 | 883.251 |
| 8+760 | 889.916 | 881.720 | 884.502 | 881.303 | 884.503 | 883.055 |
| 8+770 | 889.904 | 881.684 | 884.156 | 880.959 | 884.156 | 883.072 |
| 8+780 | 889.898 | 881.804 | 883.810 | 880.883 | 883.810 | 882.985 |
| 8+790 | 889.895 | 881.846 | 883.463 | 880.984 | 883.464 | 882.815 |
| 8+800 | 889.895 | 881.654 | 883.117 | 881.214 | 883.117 | 882.566 |
| 8+810 | 889.895 | 881.667 | 882.771 | 881.118 | 882.771 | 882.315 |
| 8+820 | 889.895 | 881.659 | 882.424 | 881.284 | 882.424 | 882.064 |
| 8+830 | 889.895 | 881.628 | 882.078 | 881.226 | 882.078 | 882.004 |
| 8+840 | 889.895 | 881.555 | 881.732 | 881.185 | 881.732 | 881.983 |
| 8+850 | 889.895 | 881.442 | 881.453 | 881.205 | 881.453 | 882.004 |
| 8+860 | 889.895 | 881.295 | 881.286 | 880.981 | 881.286 | 881.828 |
| 8+870 | 889.895 | 881.052 | 881.163 | 880.651 | 881.164 | 881.734 |
| 8+880 | 889.895 | 880.803 | 881.041 | 880.314 | 881.041 | 881.647 |
| 8+890 | 889.895 | 880.733 | 880.918 | 880.167 | 880.919 | 881.381 |
| 8+900 | 889.895 | 880.535 | 880.796 | 880.027 | 880.796 | 881.017 |
| 8+910 | 889.895 | 880.295 | 880.673 | 880.177 | 880.674 | 880.800 |
| 8+920 | 889.895 | 880.259 | 880.551 | 880.148 | 880.551 | 880.597 |
| 8+930 | 889.895 | 880.157 | 880.429 | 879.938 | 880.429 | 880.488 |
| 8+940 | 889.895 | 879.955 | 880.306 | 879.692 | 880.306 | 880.370 |
| 8+950 | 889.895 | 879.778 | 880.184 | 879.149 | 880.184 | 880.227 |
| 8+960 | 889.895 | 879.762 | 880.061 | 878.797 | 880.061 | 880.067 |
| 8+970 | 889.895 | 879.569 | 879.939 | 878.476 | 879.939 | 879.904 |
| 8+980 | 889.887 | 879.077 | 879.816 | 878.400 | 879.816 | 879.742 |
| 8+990 | 889.866 | 878.992 | 879.694 | 878.030 | 879.694 | 879.597 |
| 9+000 | 889.832 | 878.629 | 879.571 | 877.530 | 879.572 | 879.456 |
| 9+010 | 889.785 | 877.883 | 879.449 | 877.397 | 879.449 | 879.305 |
| 9+020 | 889.725 | 877.371 | 879.326 | 877.651 | 879.327 | 878.791 |
| 9+030 | 889.653 | 876.885 | 879.204 | 876.671 | 879.204 | 877.858 |
| 9+040 | 889.568 | 876.265 | 879.082 | 875.954 | 879.082 | 876.926 |
| 9+050 | 889.470 | 875.927 | 878.959 | 876.005 | 878.959 | 876.929 |
| 9+060 | 889.359 | 876.159 | 878.837 | 876.083 | 878.837 | 877.022 |
| 9+070 | 889.236 | 876.372 | 878.714 | 876.124 | 878.714 | 877.202 |
| 9+080 | 889.100 | 876.772 | 878.643 | 876.240 | 878.643 | 877.408 |
| 9+090 | 888.951 | 877.320 | 878.673 | 876.084 | 878.670 | 877.416 |
| 9+100 | 888.789 | 877.267 | 878.802 | 876.205 | 878.795 | 877.409 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m): PI STA: 8+697.84, D: 4°39'19.58", R: 2520.00, L: 204.76; L:531.63

SUPERELEVATION

Main Road @ VERTICAL SCHEMATIC: G: -0.4%, L: 345.149; R: 21029.1, K: 210.3, L: 83.588; G: 0.0%, L: 178.923; R: 7819.5, K: 78.2, L: 171.139

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m): R: 892.7, K: 8.9, L: 20.000; G: -1.5%, L: 210.871; R: 1645.5, K: 16.5, L: 32.053; G: -3.5%, L: 105.462; R: 893.2, K: 8.9, L: 20.000; G: -1.2%, L: 210.862; R: 1000.0, K: 10.0, L: 45.123

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): R: 1052.0, K: 10.5, L: 20.000; G: -1.5%, L: 210.871; R: 1645.7, K: 16.5, L: 32.053; G: -3.5%, L: 105.464; R: 893.2, K: 8.9, L: 19.997; G: -1.2%, L: 210.864; R: 1014.6, K: 10.1, L: 45.123

## LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
   * RD-02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
   * RD-03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
   * RD-04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
   * RD-05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   * RD-06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD-07 : TYPICAL CROSS SECTION SCHEDULE
   * RD-08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD-09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL −1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

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CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE

FOR INTERNAL OFFICE ONLY

CONSULTANT: STUP Consultants Pvt. Ltd. (assystem stup)

REGISTERED OFFICE : Unit No.2702, 27th Floor, Rupa Renaissance, P.No.D-33 & D-207, Juinagar, MIDC TTC Industrial Area, Turbhe, Navi Mumbai, Thane, Maharashtra-400705 Tel: +91 (022) 68067777, E-mail: mumbai@assystem.com

OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru – 560 052 Tel.: 080 – 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 8400.000 TO CH: 9100.000

DRG.NO.: N0533/E/HWY/RD-333(R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: HOR= 1:1000 VER= 1:100

DISCLAIMER: ONLY APPROVED AND SIGNED HARD COPIES SHALL BE USED FOR CONSTRUCTION

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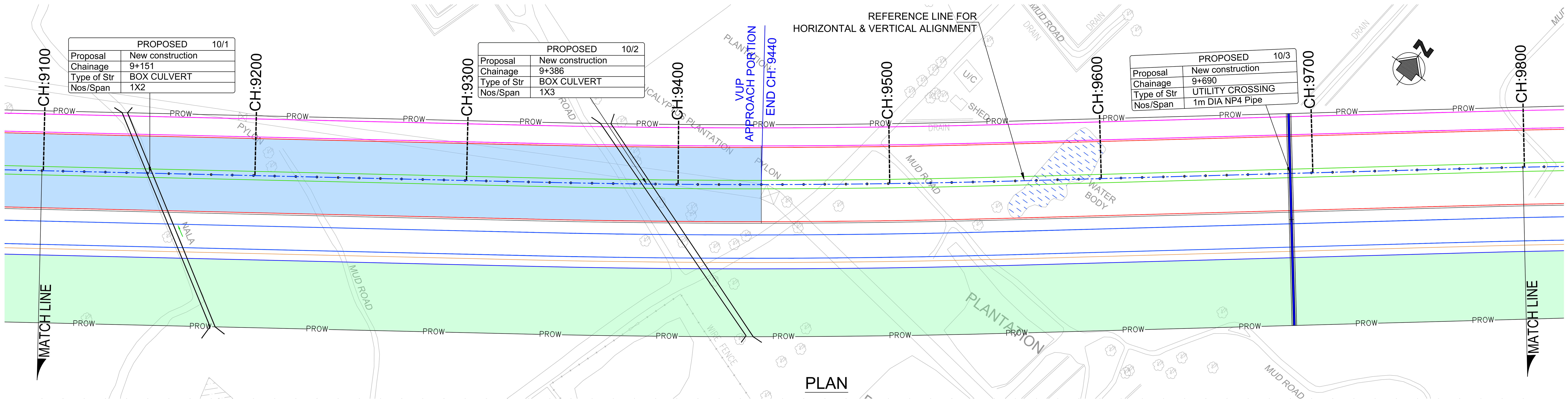
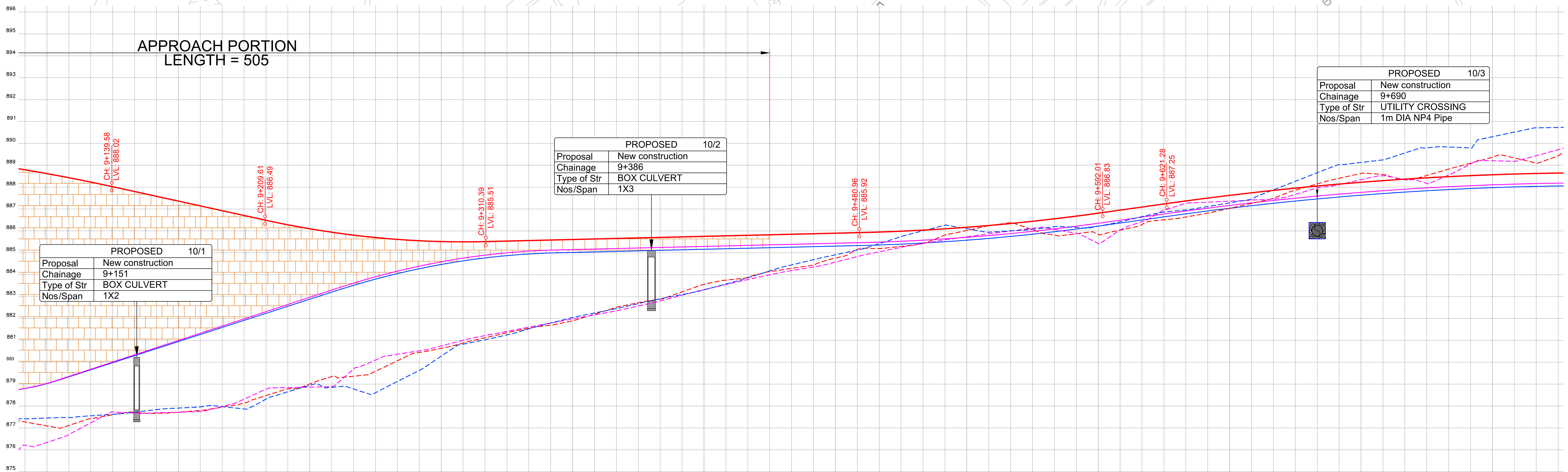
TUMKUR ROAD ← | → HOSUR ROAD




## PLAN




| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | FORMATION LEVEL LEFT SERVICE ROAD | GROUND LEVEL LEFT SERVICE ROAD | FORMATION LEVEL RIGHT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|---|---|
| 9+100 | 888.789 | 877.267 | 878.802 | 876.205 | 878.795 | 877.409 |
| 9+110 | 888.614 | 877.086 | 879.031 | 876.334 | 879.019 | 877.447 |
| 9+120 | 888.427 | 877.110 | 879.348 | 876.696 | 879.330 | 877.469 |
| 9+130 | 888.226 | 877.423 | 879.676 | 877.229 | 879.652 | 877.549 |
| 9+140 | 888.013 | 877.596 | 880.005 | 877.723 | 879.974 | 877.617 |
| 9+150 | 887.795 | 877.707 | 880.334 | 877.673 | 880.296 | 877.716 |
| 9+160 | 887.576 | 877.662 | 880.663 | 877.687 | 880.619 | 877.831 |
| 9+170 | 887.357 | 877.713 | 880.991 | 877.710 | 880.941 | 877.902 |
| 9+180 | 887.138 | 877.792 | 881.320 | 877.746 | 881.263 | 877.959 |
| 9+190 | 886.919 | 877.943 | 881.649 | 877.975 | 881.585 | 877.967 |
| 9+200 | 886.700 | 878.130 | 881.978 | 878.307 | 881.908 | 877.862 |
| 9+210 | 886.481 | 878.472 | 882.307 | 878.766 | 882.230 | 878.311 |
| 9+220 | 886.276 | 878.781 | 882.635 | 878.838 | 882.552 | 878.647 |
| 9+230 | 886.094 | 879.002 | 882.964 | 878.857 | 882.875 | 878.937 |
| 9+240 | 885.936 | 879.339 | 883.293 | 878.878 | 883.197 | 878.848 |
| 9+250 | 885.803 | 879.356 | 883.611 | 879.687 | 883.509 | 878.774 |
| 9+260 | 885.693 | 879.584 | 883.900 | 880.095 | 883.791 | 878.603 |
| 9+270 | 885.608 | 880.063 | 884.158 | 880.362 | 884.045 | 879.118 |
| 9+280 | 885.546 | 880.442 | 884.386 | 880.517 | 884.268 | 879.624 |
| 9+290 | 885.509 | 880.631 | 884.583 | 880.742 | 884.462 | 880.274 |
| 9+300 | 885.496 | 880.878 | 884.751 | 880.997 | 884.627 | 880.820 |
| 9+310 | 885.507 | 881.113 | 884.888 | 881.214 | 884.761 | 881.024 |
| 9+320 | 885.531 | 881.342 | 884.995 | 881.406 | 884.867 | 881.245 |
| 9+330 | 885.555 | 881.545 | 885.072 | 881.598 | 884.942 | 881.524 |
| 9+340 | 885.579 | 881.692 | 885.118 | 881.788 | 884.988 | 881.787 |
| 9+350 | 885.603 | 881.888 | 885.143 | 881.977 | 885.013 | 882.042 |
| 9+360 | 885.627 | 882.193 | 885.167 | 882.160 | 885.037 | 882.245 |
| 9+370 | 885.651 | 882.501 | 885.191 | 882.344 | 885.061 | 882.446 |
| 9+380 | 885.675 | 882.716 | 885.215 | 882.566 | 885.085 | 882.674 |
| 9+390 | 885.699 | 882.880 | 885.239 | 882.795 | 885.109 | 882.896 |
| 9+400 | 885.723 | 883.213 | 885.263 | 883.058 | 885.133 | 883.089 |
| 9+410 | 885.747 | 883.550 | 885.287 | 883.312 | 885.157 | 883.303 |
| 9+420 | 885.771 | 883.747 | 885.311 | 883.545 | 885.181 | 883.569 |
| 9+430 | 885.795 | 883.873 | 885.335 | 883.772 | 885.205 | 883.854 |
| 9+440 | 885.819 | 884.137 | 885.359 | 883.988 | 885.229 | 884.168 |
| 9+450 | 885.843 | 884.285 | 885.383 | 884.181 | 885.253 | 884.443 |
| 9+460 | 885.867 | 884.439 | 885.407 | 884.349 | 885.277 | 884.681 |
| 9+470 | 885.891 | 884.754 | 885.431 | 884.569 | 885.301 | 884.906 |
| 9+480 | 885.915 | 885.147 | 885.455 | 884.822 | 885.325 | 885.121 |
| 9+490 | 885.943 | 885.188 | 885.483 | 885.039 | 885.353 | 885.414 |
| 9+500 | 885.982 | 885.291 | 885.522 | 885.245 | 885.392 | 885.735 |
| 9+510 | 886.032 | 885.429 | 885.572 | 885.419 | 885.442 | 886.000 |
| 9+520 | 886.091 | 885.807 | 885.631 | 885.587 | 885.501 | 886.255 |
| 9+530 | 886.162 | 886.016 | 885.702 | 885.727 | 885.572 | 886.096 |
| 9+540 | 886.243 | 886.233 | 885.783 | 885.864 | 885.653 | 885.936 |
| 9+550 | 886.334 | 886.375 | 885.874 | 885.990 | 885.744 | 885.996 |
| 9+560 | 886.436 | 886.048 | 885.976 | 886.115 | 885.846 | 886.067 |
| 9+570 | 886.548 | 885.806 | 886.088 | 886.063 | 885.958 | 886.188 |
| 9+580 | 886.671 | 885.867 | 886.211 | 885.888 | 886.081 | 886.156 |
| 9+590 | 886.805 | 885.831 | 886.345 | 885.421 | 886.215 | 886.210 |
| 9+600 | 886.945 | 886.031 | 886.485 | 886.049 | 886.355 | 886.414 |
| 9+610 | 887.086 | 886.290 | 886.626 | 886.419 | 886.496 | 886.649 |
| 9+620 | 887.227 | 886.502 | 886.767 | 886.933 | 886.637 | 886.854 |
| 9+630 | 887.365 | 886.632 | 886.905 | 887.248 | 886.775 | 886.949 |
| 9+640 | 887.496 | 886.809 | 887.036 | 887.310 | 886.906 | 887.110 |
| 9+650 | 887.621 | 887.028 | 887.161 | 887.354 | 887.031 | 887.275 |
| 9+660 | 887.738 | 887.252 | 887.278 | 887.405 | 887.148 | 887.449 |
| 9+670 | 887.848 | 887.486 | 887.388 | 887.448 | 887.258 | 887.872 |
| 9+680 | 887.951 | 887.856 | 887.491 | 887.664 | 887.361 | 888.262 |
| 9+690 | 888.047 | 888.142 | 887.587 | 887.960 | 887.457 | 888.653 |
| 9+700 | 888.136 | 888.400 | 887.676 | 888.111 | 887.546 | 889.016 |
| 9+710 | 888.218 | 888.621 | 887.758 | 888.335 | 887.628 | 889.123 |
| 9+720 | 888.293 | 888.575 | 887.833 | 888.515 | 887.703 | 889.241 |
| 9+730 | 888.360 | 888.365 | 887.900 | 888.333 | 887.770 | 889.556 |
| 9+740 | 888.421 | 888.529 | 887.961 | 888.167 | 887.831 | 889.789 |
| 9+750 | 888.475 | 888.820 | 888.015 | 888.550 | 887.885 | 889.829 |
| 9+760 | 888.522 | 889.091 | 888.062 | 889.052 | 887.932 | 889.784 |
| 9+770 | 888.561 | 889.367 | 888.102 | 889.200 | 887.972 | 890.299 |
| 9+780 | 888.594 | 889.329 | 888.134 | 889.175 | 888.004 | 890.510 |
| 9+790 | 888.620 | 889.095 | 888.160 | 889.433 | 888.030 | 890.705 |
| 9+800 | 888.638 | 889.424 | 888.178 | 889.705 | 888.048 | 890.720 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m): PI STA: 9+444.98, D: 2°53'29.22", R: 4485.00, L: 226.34; L:205.04

SUPERELEVATION

Main Road @ VERTICAL SCHEMATIC: G: -2.2% L: 70.025; R: 4150.0 K: 41.5 L: 100.789; G: 0.2% L: 170.560; R: 9505.4 K: 95.1 L: 111.059; G: 1.4% L: 29.264; R: 14210.9 K: 142.1 L: 280.436

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m): G: 3.3% L: 126.691; R: 3307.0 K: 33.1 L: 100.789; G: 0.2% L: 138.516; R: 9505.0 K: 95.1 L: 111.059; G: 1.4% L: 29.264; R: 14210.0 K: 142.1 L: 280.436

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): G: 3.2% L: 126.691; R: 3379.2 K: 33.8 L: 100.789; G: 0.2% L: 138.516; R: 9505.0 K: 95.1 L: 111.059; G: 1.4% L: 29.264; R: 14210.0 K: 142.1 L: 280.436

## LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
   * RD-02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
   * RD-03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
   * RD-04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
   * RD-05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   * RD-06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD-07 : TYPICAL CROSS SECTION SCHEDULE
   * RD-08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD-09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL -1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

FOR INTERNAL OFFICE ONLY

CONSULTANT: STUP Consultants Pvt. Ltd. (assystem stup)

REGISTERED OFFICE : Unit No.2702, 27th Floor, Rupa Renaissance, P.No.D-33 & D-207, Juinagar, MIDC TTC Industrial Area, Turbhe, Navi Mumbai, Thane, Maharashtra-400705 Tel: +91 (022) 68067777, E-mail: mumbai@assystem.com

OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru - 560 052 Tel.: 080 - 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 9100.000 TO CH: 9800.000

DRG.NO.: NO533/E/HWY/RD-334(R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: HOR= 1:1000 VER= 1:100

DISCLAIMER: ONLY APPROVED AND SIGNED HARD COPIES SHALL BE USED FOR CONSTRUCTION

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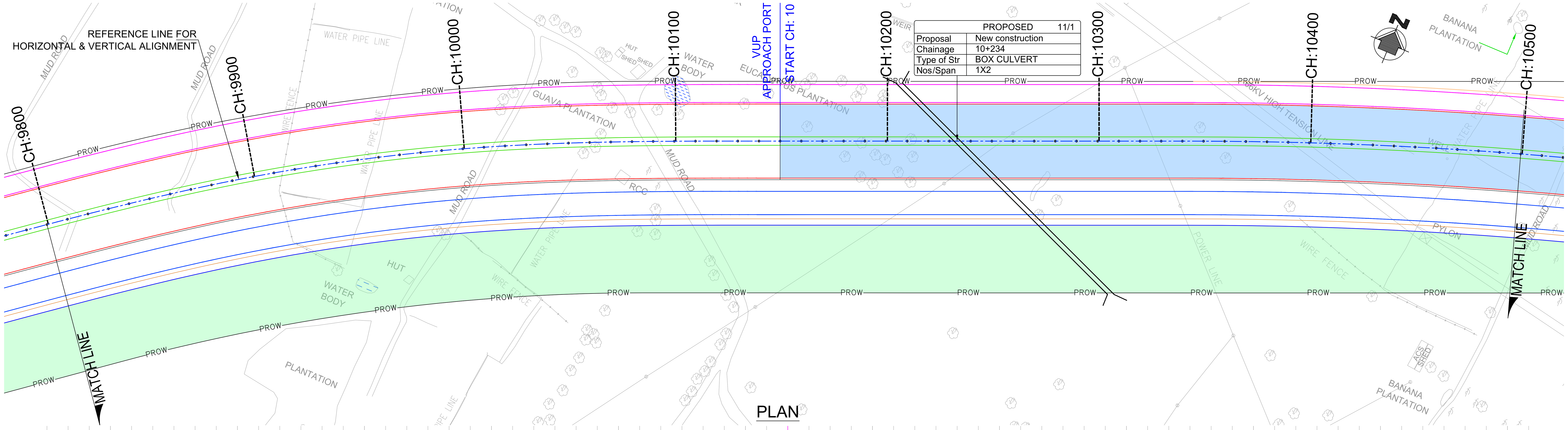
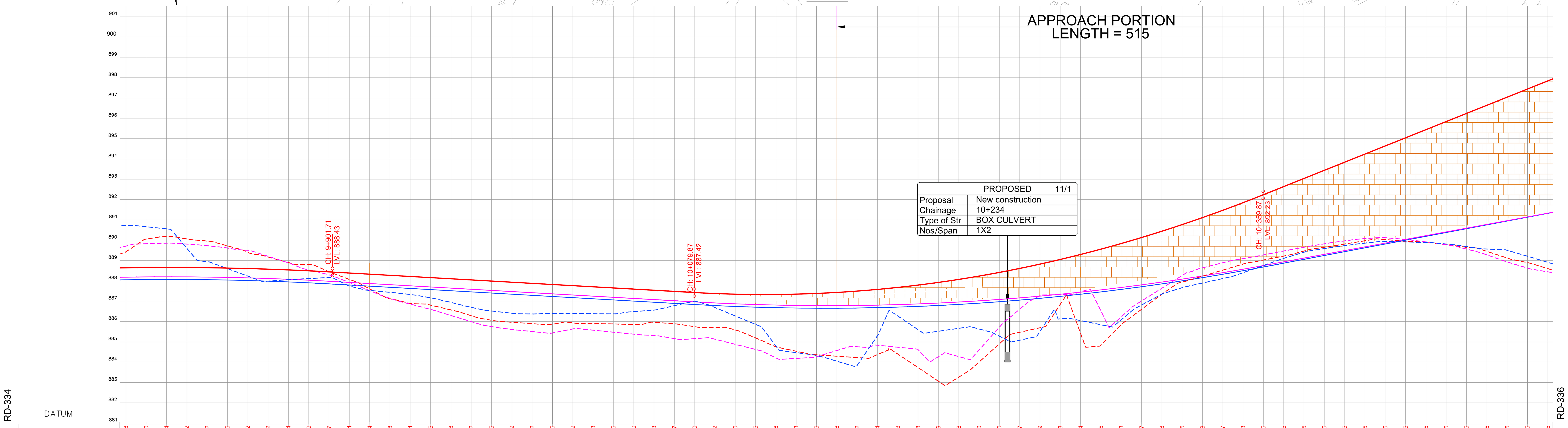
TUMKUR ROAD ←

HOSUR ROAD →




PLAN




HORIZONTAL GEOMETRY AT ROAD CENTER (m): Ls: 130.000, LT: 86.689, ST: 43.353, K: 64.990 | PI STA: 9+951.12, D: 7°05'37.66", R: 935.00, L: 115.76 | Ls: 130.000, LT: 86.689, ST: 43.353, K: 64.990 | L:205.94 | PI STA: 10+485.65, D: 8°03'09.58", R: 2000.00, L: 281.09

SUPERELEVATION: e:4.78% e:-4.78% | e:4.78% e:-4.78% | e:2.22% e:-2.22%

Main Road @ VERTICAL SCHEMATIC: G: -0.6%, L: 178.160 | R: 6133.7, K: 61.3, L: 280.000 | G: 4.0%, L: 154.925

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m): G: -0.6%, L: 178.161 | R: 11641.7, K: 116.4, L: 280.000 | G: 1.8%, L: 152.413

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): G: -0.6%, L: 178.161 | R: 11436.9, K: 114.4, L: 280.000 | G: 1.9%, L: 152.413

| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | FORMATION LEVEL LEFT SERVICE ROAD | GROUND LEVEL LEFT SERVICE ROAD | FORMATION LEVEL RIGHT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|---|---|
| 9+800 | 888.638 | 889.424 | 888.178 | 889.705 | 888.048 | 890.720 |
| 9+810 | 888.650 | 890.051 | 888.190 | 889.822 | 888.060 | 890.659 |
| 9+820 | 888.654 | 890.172 | 888.194 | 889.851 | 888.064 | 890.553 |
| 9+830 | 888.652 | 890.055 | 888.192 | 889.806 | 888.062 | 889.598 |
| 9+840 | 888.642 | 889.954 | 888.182 | 889.723 | 888.052 | 888.937 |
| 9+850 | 888.626 | 889.718 | 888.166 | 889.610 | 888.036 | 888.598 |
| 9+860 | 888.602 | 889.395 | 888.142 | 889.501 | 888.012 | 888.229 |
| 9+870 | 888.572 | 889.170 | 888.112 | 889.205 | 887.982 | 887.985 |
| 9+880 | 888.534 | 888.892 | 888.074 | 888.882 | 887.944 | 888.052 |
| 9+890 | 888.489 | 888.797 | 888.029 | 888.536 | 887.899 | 888.107 |
| 9+900 | 888.437 | 888.439 | 887.977 | 888.290 | 887.847 | 888.162 |
| 9+910 | 888.381 | 888.069 | 887.921 | 887.915 | 887.791 | 887.738 |
| 9+920 | 888.324 | 887.601 | 887.864 | 887.515 | 887.734 | 887.525 |
| 9+930 | 888.268 | 887.114 | 887.808 | 887.136 | 887.678 | 887.431 |
| 9+940 | 888.211 | 886.882 | 887.751 | 886.851 | 887.621 | 887.323 |
| 9+950 | 888.155 | 886.801 | 887.695 | 886.590 | 887.565 | 887.162 |
| 9+960 | 888.098 | 886.566 | 887.638 | 886.291 | 887.508 | 886.936 |
| 9+970 | 888.042 | 886.281 | 887.582 | 885.989 | 887.452 | 886.693 |
| 9+980 | 887.985 | 886.056 | 887.525 | 885.743 | 887.395 | 886.514 |
| 9+990 | 887.929 | 885.958 | 887.469 | 885.606 | 887.339 | 886.402 |
| 10+000 | 887.872 | 885.892 | 887.412 | 885.501 | 887.282 | 886.366 |
| 10+010 | 887.816 | 885.864 | 887.356 | 885.432 | 887.226 | 886.393 |
| 10+020 | 887.759 | 885.929 | 887.299 | 885.628 | 887.169 | 886.385 |
| 10+030 | 887.703 | 885.889 | 887.243 | 885.569 | 887.113 | 886.377 |
| 10+040 | 887.646 | 885.874 | 887.186 | 885.469 | 887.056 | 886.370 |
| 10+050 | 887.590 | 885.850 | 887.130 | 885.372 | 887.000 | 886.481 |
| 10+060 | 887.533 | 885.961 | 887.073 | 885.313 | 886.943 | 886.558 |
| 10+070 | 887.477 | 885.881 | 887.017 | 885.154 | 886.887 | 886.773 |
| 10+080 | 887.420 | 885.740 | 886.960 | 885.151 | 886.830 | 887.002 |
| 10+090 | 887.372 | 885.705 | 886.908 | 885.123 | 886.778 | 886.683 |
| 10+100 | 887.340 | 885.580 | 886.865 | 884.872 | 886.735 | 886.268 |
| 10+110 | 887.325 | 885.189 | 886.830 | 884.620 | 886.701 | 885.854 |
| 10+120 | 887.326 | 884.744 | 886.803 | 884.206 | 886.675 | 884.789 |
| 10+130 | 887.343 | 884.531 | 886.786 | 884.178 | 886.658 | 884.464 |
| 10+140 | 887.376 | 884.357 | 886.777 | 884.262 | 886.649 | 884.319 |
| 10+150 | 887.426 | 884.288 | 886.776 | 884.566 | 886.650 | 884.041 |
| 10+160 | 887.492 | 884.219 | 886.784 | 884.751 | 886.659 | 883.838 |
| 10+170 | 887.574 | 884.365 | 886.801 | 884.827 | 886.677 | 885.294 |
| 10+180 | 887.673 | 884.394 | 886.826 | 884.730 | 886.704 | 886.267 |
| 10+190 | 887.788 | 883.727 | 886.860 | 884.610 | 886.739 | 885.593 |
| 10+200 | 887.919 | 883.054 | 886.902 | 884.263 | 886.783 | 885.515 |
| 10+210 | 888.066 | 883.255 | 886.953 | 884.269 | 886.836 | 885.658 |
| 10+220 | 888.230 | 883.997 | 887.013 | 884.592 | 886.898 | 885.628 |
| 10+230 | 888.410 | 884.894 | 887.081 | 885.711 | 886.968 | 885.275 |
| 10+240 | 888.607 | 885.465 | 887.158 | 886.599 | 887.047 | 885.075 |
| 10+250 | 888.819 | 885.687 | 887.243 | 887.264 | 887.135 | 885.506 |
| 10+260 | 889.048 | 886.841 | 887.337 | 887.317 | 887.232 | 886.123 |
| 10+270 | 889.294 | 885.408 | 887.439 | 887.454 | 887.337 | 886.039 |
| 10+280 | 889.555 | 884.830 | 887.550 | 886.513 | 887.451 | 885.837 |
| 10+290 | 889.833 | 885.842 | 887.670 | 886.223 | 887.574 | 886.077 |
| 10+300 | 890.127 | 886.594 | 887.798 | 887.004 | 887.706 | 886.805 |
| 10+310 | 890.438 | 887.337 | 887.935 | 887.632 | 887.846 | 887.343 |
| 10+320 | 890.765 | 887.935 | 888.081 | 888.259 | 887.995 | 887.659 |
| 10+330 | 891.108 | 888.224 | 888.235 | 888.637 | 888.153 | 887.888 |
| 10+340 | 891.467 | 888.523 | 888.397 | 888.887 | 888.319 | 888.109 |
| 10+350 | 891.843 | 888.822 | 888.569 | 889.090 | 888.495 | 888.397 |
| 10+360 | 892.235 | 889.020 | 888.748 | 889.271 | 888.679 | 888.749 |
| 10+370 | 892.635 | 889.216 | 888.932 | 889.465 | 888.867 | 889.103 |
| 10+380 | 893.035 | 889.464 | 889.116 | 889.650 | 889.055 | 889.406 |
| 10+390 | 893.435 | 889.650 | 889.301 | 889.819 | 889.244 | 889.583 |
| 10+400 | 893.835 | 889.808 | 889.485 | 889.964 | 889.432 | 889.726 |
| 10+410 | 894.235 | 889.970 | 889.669 | 890.073 | 889.620 | 889.852 |
| 10+420 | 894.635 | 890.028 | 889.853 | 890.118 | 889.809 | 889.940 |
| 10+430 | 895.035 | 889.942 | 890.037 | 890.036 | 889.997 | 889.912 |
| 10+440 | 895.435 | 889.899 | 890.221 | 889.912 | 890.185 | 889.884 |
| 10+450 | 895.835 | 889.785 | 890.405 | 889.767 | 890.374 | 889.808 |
| 10+460 | 896.235 | 889.648 | 890.589 | 889.561 | 890.562 | 889.683 |
| 10+470 | 896.635 | 889.447 | 890.773 | 889.274 | 890.750 | 889.562 |
| 10+480 | 897.035 | 889.120 | 890.957 | 888.927 | 890.939 | 889.500 |
| 10+490 | 897.435 | 888.893 | 891.141 | 888.624 | 891.127 | 889.209 |
| 10+500 | 897.835 | 888.599 | 891.325 | 888.439 | 891.315 | 888.907 |

LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
   * RD-02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
   * RD-03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
   * RD-04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
   * RD-05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   * RD-06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD-07 : TYPICAL CROSS SECTION SCHEDULE
   * RD-08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD-09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL −1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

FOR INTERNAL OFFICE ONLY

CONSULTANT: STUP Consultants Pvt. Ltd. (assystem stup)

REGISTERED OFFICE : Unit No.2702, 27th Floor, Rupa Renaissance, P.No.D-33 & D-207, Juinagar, MIDC TTC Industrial Area, Turbhe, Navi Mumbai, Thane, Maharashtra-400705 Tel: +91 (022) 68067777, E-mail: mumbai@assystem.com

OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru – 560 052 Tel.: 080 – 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 9800.000 TO CH: 10500.000

DRG.NO.: NO533/E/HWY/RD-335(R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: HOR= 1:1000 VER= 1:100

DISCLAIMER: ONLY APPROVED AND SIGNED HARD COPIES SHALL BE USED FOR CONSTRUCTION

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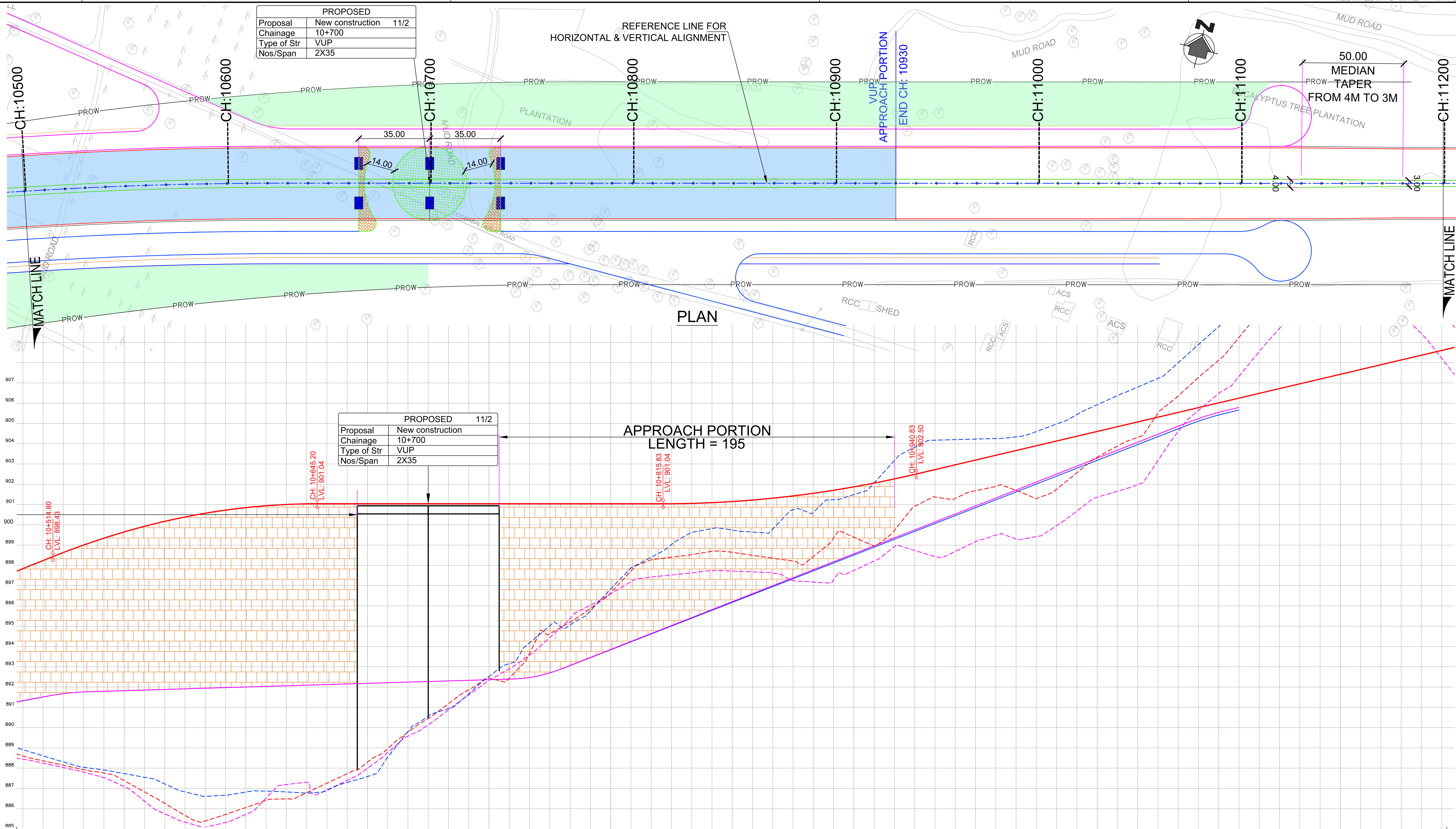
TUMKUR ROAD ← | HOSUR ROAD →




# LONGITUDINAL SECTION

| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | FORMATION LEVEL LEFT SERVICE ROAD | GROUND LEVEL LEFT SERVICE ROAD | FORMATION LEVEL RIGHT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|---|---|
| 10+500 | 897.835 | 888.599 | 891.325 | 888.439 | 891.315 | 888.907 |
| 10+510 | 898.235 | 888.356 | 891.509 | 888.244 | 891.504 | 888.603 |
| 10+520 | 898.631 | 888.139 | 891.670 | 888.026 | 891.668 | 888.303 |
| 10+530 | 899.000 | 887.922 | 891.756 | 887.797 | 891.756 | 888.037 |
| 10+540 | 899.338 | 887.754 | 891.788 | 887.532 | 891.788 | 887.908 |
| 10+550 | 899.645 | 887.379 | 891.818 | 887.083 | 891.818 | 887.728 |
| 10+560 | 899.922 | 886.826 | 891.848 | 886.371 | 891.848 | 887.547 |
| 10+570 | 900.168 | 886.260 | 891.878 | 885.745 | 891.878 | 887.220 |
| 10+580 | 900.383 | 885.667 | 891.908 | 885.335 | 891.908 | 886.823 |
| 10+590 | 900.568 | 885.390 | 891.938 | 885.077 | 891.938 | 886.604 |
| 10+600 | 900.722 | 885.710 | 891.968 | 885.313 | 891.968 | 886.664 |
| 10+610 | 900.845 | 886.055 | 891.998 | 885.712 | 891.998 | 886.816 |
| 10+620 | 900.938 | 886.401 | 892.028 | 886.519 | 892.028 | 886.862 |
| 10+630 | 901.000 | 886.481 | 892.058 | 887.185 | 892.058 | 886.823 |
| 10+640 | 901.031 | 886.782 | 892.088 | 887.290 | 892.088 | 886.766 |
| 10+650 | 901.035 | 887.252 | 892.118 | 886.921 | 892.118 | 886.894 |
| 10+660 | 901.035 | 887.722 | 892.148 | 887.391 | 892.148 | 887.291 |
| 10+670 | 901.035 | 888.288 | 892.178 | 887.985 | 892.178 | 887.581 |
| 10+680 | 901.035 | 888.957 | 892.208 | 888.761 | 892.208 | 888.535 |
| 10+690 | 901.035 | 889.772 | 892.238 | 889.576 | 892.238 | 889.801 |
| 10+700 | 901.035 | 890.447 | 892.268 | 890.136 | 892.268 | 890.558 |
| 10+710 | 901.035 | 891.174 | 892.298 | 890.872 | 892.298 | 890.934 |
| 10+720 | 901.035 | 891.859 | 892.328 | 891.614 | 892.328 | 891.658 |
| 10+730 | 901.035 | 892.437 | 892.358 | 892.325 | 892.358 | 892.515 |
| 10+740 | 901.035 | 892.435 | 892.388 | 892.893 | 892.388 | 893.149 |
| 10+750 | 901.035 | 893.664 | 892.468 | 893.576 | 892.466 | 894.177 |
| 10+760 | 901.035 | 894.627 | 892.696 | 894.438 | 892.693 | 895.020 |
| 10+770 | 901.035 | 895.198 | 893.063 | 895.374 | 893.057 | 895.060 |
| 10+780 | 901.035 | 895.873 | 893.456 | 896.024 | 893.446 | 895.756 |
| 10+790 | 901.035 | 896.639 | 893.850 | 896.597 | 893.836 | 896.830 |
| 10+800 | 901.035 | 897.715 | 894.243 | 897.188 | 894.225 | 897.868 |
| 10+810 | 901.035 | 898.273 | 894.636 | 897.419 | 894.614 | 898.397 |
| 10+820 | 901.037 | 898.400 | 895.029 | 897.523 | 895.003 | 899.025 |
| 10+830 | 901.054 | 898.528 | 895.422 | 897.621 | 895.392 | 899.625 |
| 10+840 | 901.090 | 898.692 | 895.815 | 897.735 | 895.781 | 899.811 |
| 10+850 | 901.145 | 898.638 | 896.208 | 897.716 | 896.170 | 899.738 |
| 10+860 | 901.219 | 898.494 | 896.601 | 897.676 | 896.560 | 899.637 |
| 10+870 | 901.311 | 898.350 | 896.994 | 897.616 | 896.949 | 899.792 |
| 10+880 | 901.422 | 898.210 | 897.387 | 897.237 | 897.338 | 900.736 |
| 10+890 | 901.553 | 898.433 | 897.780 | 897.175 | 897.727 | 900.607 |
| 10+900 | 901.701 | 899.348 | 898.173 | 897.284 | 898.116 | 901.237 |
| 10+910 | 901.869 | 899.387 | 898.567 | 897.747 | 898.505 | 901.485 |
| 10+920 | 902.056 | 898.953 | 898.960 | 898.211 | 898.894 | 902.062 |
| 10+930 | 902.261 | 899.719 | 899.353 | 898.926 | 899.284 | 903.167 |
| 10+940 | 902.485 | 900.909 | 899.746 | 898.734 | 899.673 | 903.823 |
| 10+950 | 902.720 | 901.370 | 900.139 | 898.428 | 900.062 | 904.171 |
| 10+960 | 902.955 | 901.299 | 900.532 | 898.685 | 900.451 | 904.198 |
| 10+970 | 903.190 | 901.679 | 900.925 | 899.166 | 900.840 | 904.225 |
| 10+980 | 903.425 | 901.891 | 901.318 | 899.489 | 901.229 | 904.252 |
| 10+990 | 903.660 | 901.695 | 901.711 | 899.294 | 901.618 | 904.335 |
| 11+000 | 903.895 | 901.290 | 902.104 | 899.415 | 902.008 | 904.595 |
| 11+010 | 904.130 | 901.751 | 902.497 | 899.957 | 902.397 | 904.966 |
| 11+020 | 904.365 | 902.564 | 902.891 | 900.678 | 902.786 | 905.434 |
| 11+030 | 904.600 | 903.338 | 903.284 | 901.356 | 903.175 | 905.916 |
| 11+040 | 904.835 | 903.876 | 903.677 | 901.653 | 903.564 | 906.370 |
| 11+050 | 905.071 | 904.310 | 904.070 | 901.976 | 903.953 | 906.788 |
| 11+060 | 905.306 | 905.497 | 904.463 | 903.164 | 904.342 | 907.215 |
| 11+070 | 905.541 | 906.353 | 904.856 | 904.594 | 904.732 | 907.990 |
| 11+080 | 905.776 | 907.262 | 905.236 | 905.639 | 905.108 | 908.884 |
| 11+090 | 906.011 | 908.116 | 905.544 | 906.479 | 905.414 | 909.778 |
| 11+100 | 906.246 | 909.237 | 905.786 | 907.320 | 905.656 | 910.941 |
| 11+110 | 906.481 | 910.456 | | 908.551 | | 912.287 |
| 11+120 | 906.716 | 911.818 | | 909.680 | | 913.920 |
| 11+130 | 906.951 | 913.313 | | 910.613 | | 915.322 |
| 11+140 | 907.186 | 914.390 | | 911.485 | | 916.152 |
| 11+150 | 907.421 | 915.269 | | 912.250 | | 916.982 |
| 11+160 | 907.656 | 914.860 | | 912.058 | | 916.769 |
| 11+170 | 907.891 | 913.968 | | 911.283 | | 916.217 |
| 11+180 | 908.126 | 913.125 | | 910.408 | | 914.796 |
| 11+190 | 908.361 | 912.150 | | 909.419 | | 913.243 |
| 11+200 | 908.596 | 910.661 | | 908.207 | | 911.786 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m): L:665.48

SUPERELEVATION: e:2.22% e:-2.22%

Main Road @ VERTICAL SCHEMATIC: R: 3260.0 K: 32.6 L: 130.400 — G: 0.0% L: 170.625 — R: 5317.9 K: 53.2 L: 125.000

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m): R: 1298.7 K: 13.0 L: 20.000 — G: 0.3% L: 209.611 — R: 660.0 K: 6.6 L: 23.963 — G: 3.9% L: 308.357 — R: 1265.6 K: 12.7 L: 20.000

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): R: 1263.4 K: 12.6 L: 20.000 — G: 0.3% L: 209.742 — R: 660.0 K: 6.6 L: 23.703 — G: 3.9% L: 308.487 — R: 1298.0 K: 13.0 L: 20.000

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
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   * RD-03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
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   * RD-05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   * RD-06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD-07 : TYPICAL CROSS SECTION SCHEDULE
   * RD-08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD-09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL -1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION ☐ INFORMATION ☐ TENDER ☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

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OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru - 560 052 Tel.: 080 - 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 10500.000 TO CH: 11200.000

DRG.NO.: N0533/E/HWY/RD-336(R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: HOR= 1:1000 VER= 1:100

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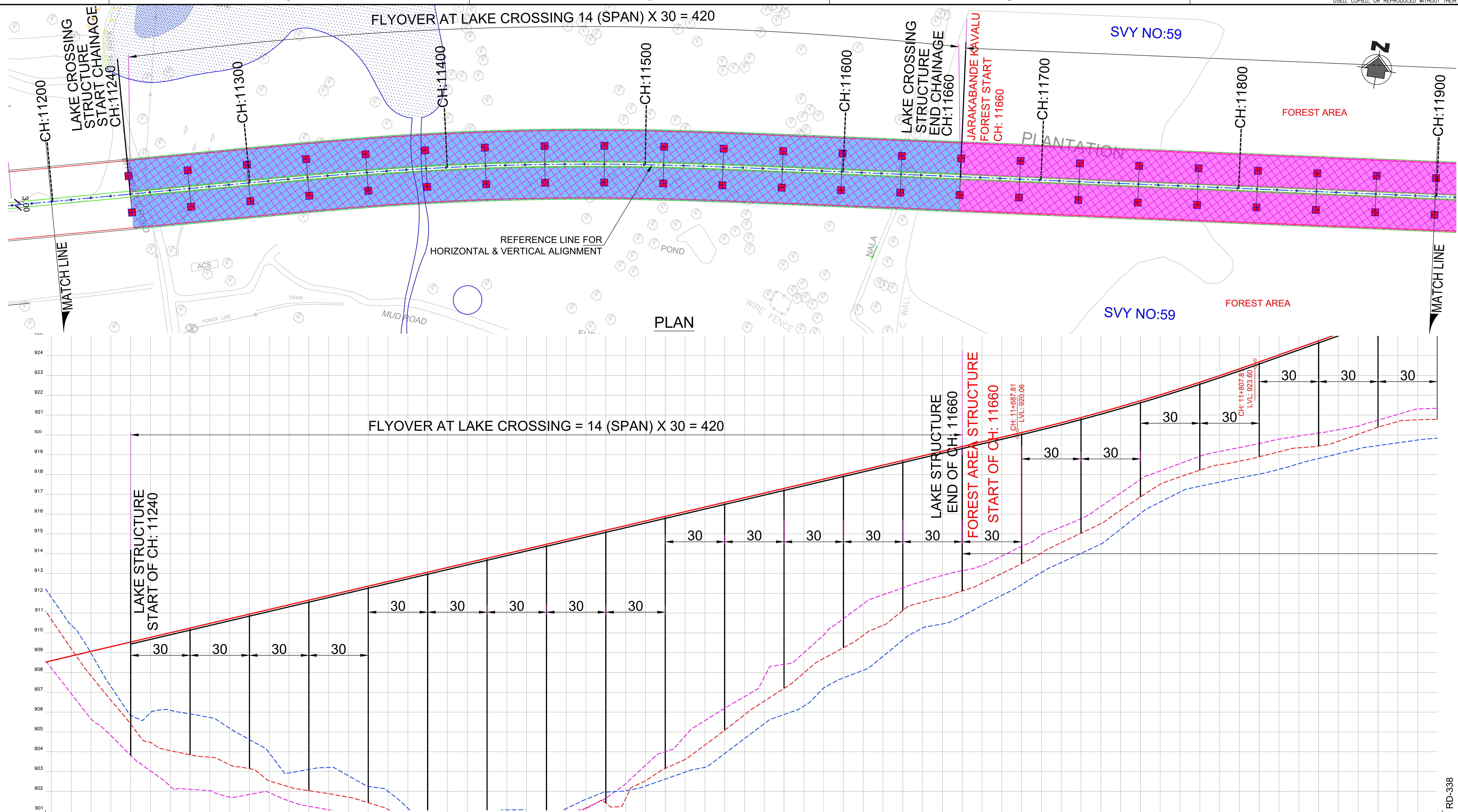
TUMKUR ROAD ←

HOSUR ROAD →




| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | GROUND LEVEL LEFT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|
| 11+200 | 908.596 | 910.661 | 908.207 | 911.786 |
| 11+210 | 908.831 | 909.197 | 906.925 | 910.391 |
| 11+220 | 909.066 | 907.823 | 905.649 | 908.968 |
| 11+230 | 909.302 | 906.596 | 904.813 | 907.294 |
| 11+240 | 909.537 | 905.387 | 903.817 | 905.831 |
| 11+250 | 909.772 | 904.472 | 903.030 | 905.964 |
| 11+260 | 910.007 | 904.051 | 902.251 | 906.086 |
| 11+270 | 910.242 | 903.843 | 902.095 | 905.909 |
| 11+280 | 910.477 | 903.721 | 902.024 | 905.723 |
| 11+290 | 910.712 | 903.341 | 901.705 | 905.179 |
| 11+300 | 910.947 | 903.143 | 901.841 | 904.610 |
| 11+310 | 911.182 | 902.524 | 901.931 | 903.936 |
| 11+320 | 911.417 | 902.222 | 901.514 | 902.927 |
| 11+330 | 911.652 | 902.030 | 901.243 | 903.105 |
| 11+340 | 911.887 | 901.880 | 901.064 | 903.202 |
| 11+350 | 912.122 | 901.698 | 900.892 | 902.783 |
| 11+360 | 912.357 | 901.424 | 900.596 | 902.243 |
| 11+370 | 912.592 | 901.086 | 900.181 | 901.998 |
| 11+380 | 912.827 | 900.480 | 899.506 | 901.143 |
| 11+390 | 913.062 | 899.770 | 899.208 | 900.478 |
| 11+400 | 913.297 | 899.399 | 899.058 | 900.481 |
| 11+410 | 913.532 | 899.183 | 899.222 | 900.631 |
| 11+420 | 913.768 | 899.413 | 899.514 | 900.871 |
| 11+430 | 914.003 | 899.563 | 899.921 | 901.061 |
| 11+440 | 914.238 | 899.710 | 900.349 | 901.028 |
| 11+450 | 914.473 | 900.020 | 900.689 | 900.905 |
| 11+460 | 914.708 | 900.586 | 900.915 | 901.128 |
| 11+470 | 914.943 | 901.130 | 901.164 | 901.596 |
| 11+480 | 915.178 | 901.403 | 901.655 | 901.960 |
| 11+490 | 915.413 | 901.633 | 902.385 | 902.024 |
| 11+500 | 915.648 | 902.530 | 903.310 | 902.265 |
| 11+510 | 915.883 | 903.152 | 904.000 | 902.617 |
| 11+520 | 916.118 | 903.602 | 904.790 | 902.969 |
| 11+530 | 916.353 | 904.333 | 905.568 | 903.206 |
| 11+540 | 916.588 | 905.077 | 906.192 | 903.904 |
| 11+550 | 916.823 | 905.860 | 906.776 | 904.660 |
| 11+560 | 917.058 | 906.550 | 907.763 | 905.416 |
| 11+570 | 917.293 | 907.195 | 908.410 | 905.876 |
| 11+580 | 917.528 | 907.975 | 908.997 | 906.300 |
| 11+590 | 917.763 | 908.710 | 909.887 | 907.220 |
| 11+600 | 917.999 | 909.248 | 910.716 | 907.727 |
| 11+610 | 918.234 | 909.879 | 911.462 | 908.109 |
| 11+620 | 918.469 | 910.379 | 911.923 | 908.816 |
| 11+630 | 918.704 | 911.132 | 912.272 | 909.640 |
| 11+640 | 918.939 | 911.549 | 912.609 | 910.249 |
| 11+650 | 919.174 | 911.790 | 912.901 | 910.450 |
| 11+660 | 919.409 | 912.116 | 913.142 | 910.842 |
| 11+670 | 919.644 | 912.506 | 913.397 | 911.385 |
| 11+680 | 919.879 | 912.999 | 913.879 | 911.894 |
| 11+690 | 920.114 | 913.494 | 914.367 | 912.437 |
| 11+700 | 920.356 | 914.032 | 914.940 | 913.050 |
| 11+710 | 920.609 | 914.555 | 915.346 | 913.549 |
| 11+720 | 920.871 | 915.033 | 915.765 | 914.015 |
| 11+730 | 921.143 | 915.509 | 916.380 | 914.481 |
| 11+740 | 921.425 | 916.194 | 917.055 | 915.240 |
| 11+750 | 921.718 | 916.861 | 917.751 | 916.024 |
| 11+760 | 922.020 | 917.500 | 918.175 | 916.605 |
| 11+770 | 922.332 | 917.878 | 918.545 | 917.109 |
| 11+780 | 922.654 | 918.214 | 918.915 | 917.401 |
| 11+790 | 922.987 | 918.490 | 919.159 | 917.613 |
| 11+800 | 923.329 | 918.668 | 919.355 | 917.820 |
| 11+810 | 923.681 | 918.889 | 919.555 | 918.017 |
| 11+820 | 924.036 | 919.141 | 919.779 | 918.256 |
| 11+830 | 924.391 | 919.344 | 919.941 | 918.544 |
| 11+840 | 924.746 | 919.433 | 920.088 | 918.803 |
| 11+850 | 925.101 | 919.676 | 920.257 | 919.044 |
| 11+860 | 925.456 | 920.031 | 920.437 | 919.286 |
| 11+870 | 925.811 | 920.386 | 920.740 | 919.454 |
| 11+880 | 926.166 | 920.669 | 921.031 | 919.593 |
| 11+890 | 926.521 | 920.759 | 921.305 | 919.738 |
| 11+900 | 926.876 | 920.777 | 921.337 | 919.831 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m): Ls: 85.000, LT: 56.669, ST: 28.336, K: 42.499 — PI STA: 11+432.79, D: 4°27'03.19", R: 1450.00, L: 112.64 — Ls: 85.000, LT: 56.669, ST: 28.336, K: 42.499

SUPERELEVATION: e:3.06% e:-3.06% — e:3.06% e:-3.06%

Main Road @ VERTICAL SCHEMATIC: G: 2.4%, L: 746.982 — R: 9999.8, K: 100.0, L: 120.000

FORMATION LEVEL LEFT SERVICE ROAD

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m)

FORMATION LEVEL RIGHT SERVICE ROAD

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m)

# LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
   * RD-02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
   * RD-03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
   * RD-04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
   * RD-05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   * RD-06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD-07 : TYPICAL CROSS SECTION SCHEDULE
   * RD-08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD-09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL -1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

FOR INTERNAL OFFICE ONLY

CONSULTANT: STUP Consultants Pvt. Ltd. (assystem stup)

REGISTERED OFFICE : Unit No.2702, 27th Floor, Rupa Renaissance, P.No.D-33 & D-207, Juinagar, MIDC TTC Industrial Area, Turbhe, Navi Mumbai, Thane, Maharashtra-400705 Tel: +91 (022) 68067777, E-mail: mumbai@assystem.com

OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru - 560 052 Tel.: 080 - 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 11200.000 TO CH: 11900.000

DRG.NO.: NO533/E/HWY/RD-337(R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: HOR= 1:1000 VER= 1:100

DISCLAIMER: ONLY APPROVED AND SIGNED HARD COPIES SHALL BE USED FOR CONSTRUCTION

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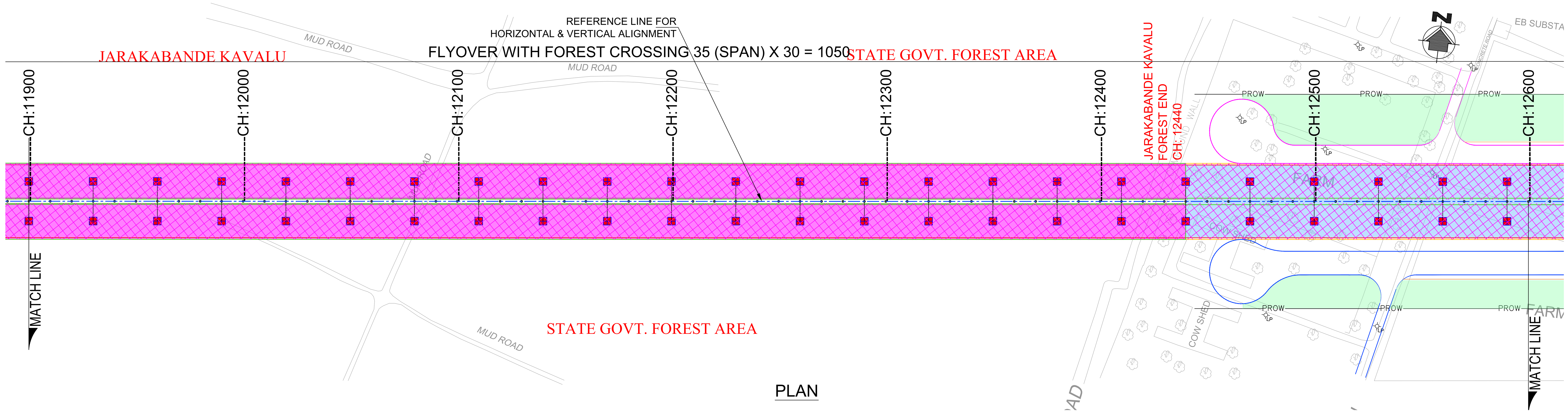
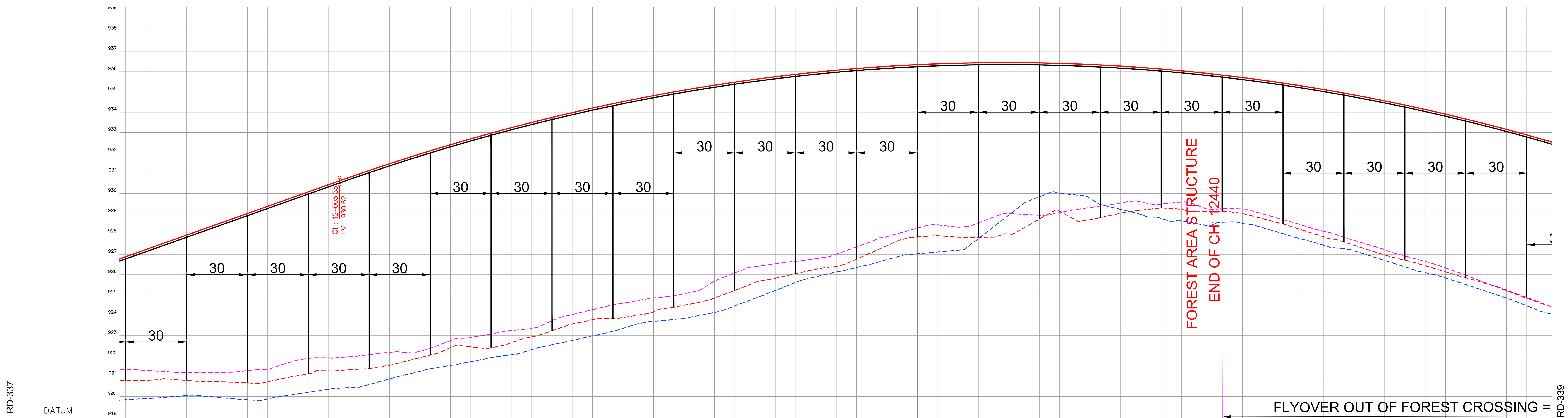
TUMKUR ROAD ← | HOSUR ROAD →




PLAN




| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | GROUND LEVEL LEFT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|
| 11+900 | 926.876 | 920.777 | 921.337 | 919.831 |
| 11+910 | 927.232 | 920.791 | 921.280 | 919.892 |
| 11+920 | 927.587 | 920.868 | 921.221 | 919.957 |
| 11+930 | 927.942 | 920.787 | 921.172 | 920.039 |
| 11+940 | 928.297 | 920.735 | 921.180 | 920.000 |
| 11+950 | 928.652 | 920.708 | 921.190 | 919.913 |
| 11+960 | 929.007 | 920.668 | 921.270 | 919.834 |
| 11+970 | 929.362 | 920.717 | 921.337 | 919.876 |
| 11+980 | 929.717 | 920.935 | 921.649 | 920.047 |
| 11+990 | 930.072 | 921.105 | 921.869 | 920.197 |
| 12+000 | 930.427 | 921.254 | 921.888 | 920.347 |
| 12+010 | 930.781 | 921.313 | 921.948 | 920.428 |
| 12+020 | 931.126 | 921.372 | 922.056 | 920.585 |
| 12+030 | 931.459 | 921.536 | 922.162 | 920.860 |
| 12+040 | 931.782 | 921.782 | 922.148 | 921.112 |
| 12+050 | 932.094 | 922.033 | 922.366 | 921.366 |
| 12+060 | 932.396 | 922.399 | 922.747 | 921.525 |
| 12+070 | 932.686 | 922.443 | 922.897 | 921.709 |
| 12+080 | 932.966 | 922.393 | 923.077 | 921.901 |
| 12+090 | 933.235 | 922.642 | 923.247 | 922.050 |
| 12+100 | 933.493 | 922.929 | 923.343 | 922.304 |
| 12+110 | 933.740 | 923.229 | 923.727 | 922.543 |
| 12+120 | 933.976 | 923.568 | 924.033 | 922.754 |
| 12+130 | 934.202 | 923.775 | 924.273 | 922.984 |
| 12+140 | 934.417 | 923.824 | 924.509 | 923.208 |
| 12+150 | 934.621 | 923.965 | 924.680 | 923.519 |
| 12+160 | 934.814 | 924.163 | 924.848 | 923.699 |
| 12+170 | 934.996 | 924.392 | 924.959 | 923.789 |
| 12+180 | 935.168 | 924.586 | 925.157 | 923.935 |
| 12+190 | 935.328 | 924.842 | 925.682 | 924.131 |
| 12+200 | 935.478 | 925.219 | 926.081 | 924.456 |
| 12+210 | 935.617 | 925.606 | 926.392 | 924.832 |
| 12+220 | 935.745 | 925.821 | 926.529 | 925.219 |
| 12+230 | 935.862 | 926.044 | 926.657 | 925.612 |
| 12+240 | 935.969 | 926.268 | 926.785 | 925.895 |
| 12+250 | 936.065 | 926.410 | 927.003 | 926.132 |
| 12+260 | 936.150 | 926.758 | 927.366 | 926.347 |
| 12+270 | 936.224 | 927.204 | 927.750 | 926.592 |
| 12+280 | 936.287 | 927.650 | 928.012 | 926.875 |
| 12+290 | 936.339 | 927.852 | 928.288 | 927.023 |
| 12+300 | 936.381 | 927.911 | 928.448 | 927.114 |
| 12+310 | 936.412 | 927.845 | 928.333 | 927.204 |
| 12+320 | 936.432 | 927.836 | 928.546 | 927.771 |
| 12+330 | 936.441 | 927.911 | 928.925 | 928.547 |
| 12+340 | 936.439 | 928.167 | 928.980 | 929.324 |
| 12+350 | 936.427 | 928.729 | 928.922 | 929.832 |
| 12+360 | 936.403 | 929.122 | 929.055 | 930.024 |
| 12+370 | 936.369 | 928.621 | 929.232 | 929.900 |
| 12+380 | 936.324 | 928.804 | 929.377 | 929.447 |
| 12+390 | 936.268 | 929.022 | 929.521 | 929.213 |
| 12+400 | 936.202 | 929.169 | 929.573 | 928.955 |
| 12+410 | 936.124 | 929.284 | 929.468 | 928.766 |
| 12+420 | 936.036 | 929.208 | 929.579 | 928.655 |
| 12+430 | 935.937 | 929.094 | 929.324 | 928.459 |
| 12+440 | 935.827 | 929.112 | 929.238 | 928.577 |
| 12+450 | 935.706 | 929.014 | 929.230 | 928.523 |
| 12+460 | 935.575 | 928.752 | 928.989 | 928.308 |
| 12+470 | 935.432 | 928.490 | 928.707 | 928.015 |
| 12+480 | 935.279 | 928.176 | 928.415 | 927.726 |
| 12+490 | 935.115 | 927.859 | 928.133 | 927.445 |
| 12+500 | 934.940 | 927.605 | 927.835 | 927.265 |
| 12+510 | 934.754 | 927.285 | 927.538 | 927.013 |
| 12+520 | 934.558 | 926.969 | 927.230 | 926.698 |
| 12+530 | 934.351 | 926.708 | 926.915 | 926.383 |
| 12+540 | 934.132 | 926.435 | 926.647 | 926.094 |
| 12+550 | 933.903 | 926.134 | 926.325 | 925.831 |
| 12+560 | 933.664 | 925.845 | 925.982 | 925.508 |
| 12+570 | 933.413 | 925.553 | 925.583 | 925.178 |
| 12+580 | 933.152 | 925.235 | 925.205 | 924.844 |
| 12+590 | 932.879 | 924.875 | 924.827 | 924.465 |
| 12+600 | 932.596 | 924.494 | 924.489 | 924.108 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m): L:1732.49

SUPERELEVATION

Main Road @ VERTICAL SCHEMATIC: G: 3.6%, L: 197.543; R: 9240.3, K: 92.4, L: 635.000

FORMATION LEVEL LEFT SERVICE ROAD

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m)

FORMATION LEVEL RIGHT SERVICE ROAD

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m)

LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
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6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL −1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION ☐ INFORMATION ☐ TENDER ☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

FOR INTERNAL OFFICE ONLY

CONSULTANT: STUP Consultants Pvt. Ltd. (assystem stup)

REGISTERED OFFICE : Unit No.2702, 27th Floor, Rupa Renaissance, P.No.D-33 & D-207, Juinagar, MIDC TTC Industrial Area, Turbhe, Navi Mumbai, Thane, Maharashtra-400705 Tel: +91 (022) 68067777, E-mail: mumbai@assystem.com

OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru – 560 052 Tel.: 080 – 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 11900.000 TO CH: 12600.000

DRG.NO.: NO533/E/HWY/RD-338(R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC

SCALE: HOR= 1:1000 VER= 1:100

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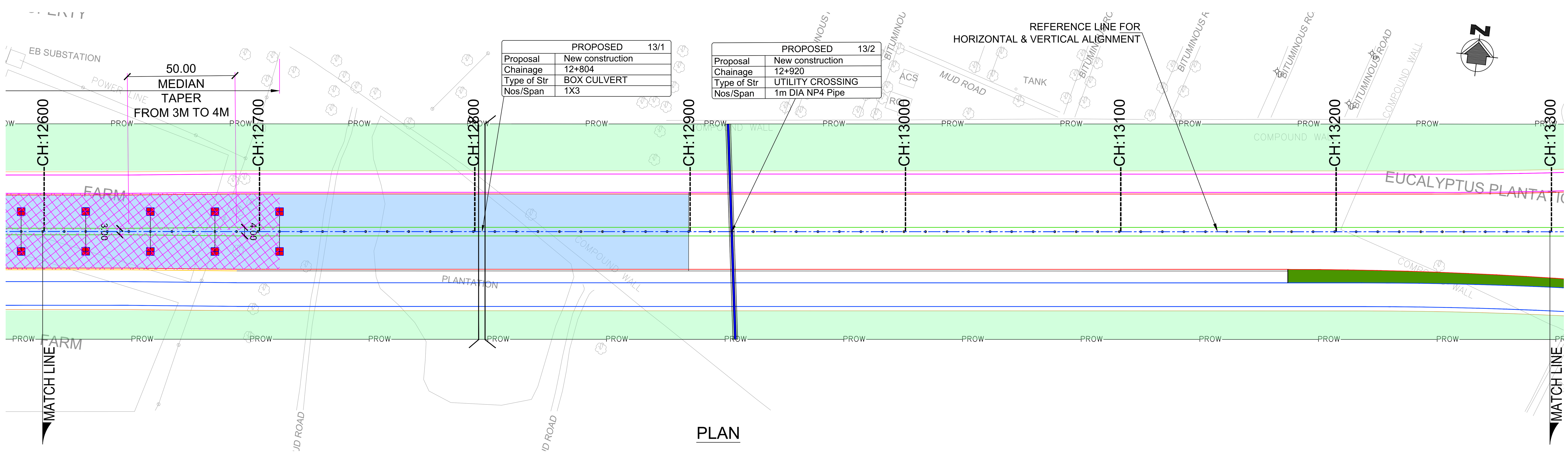
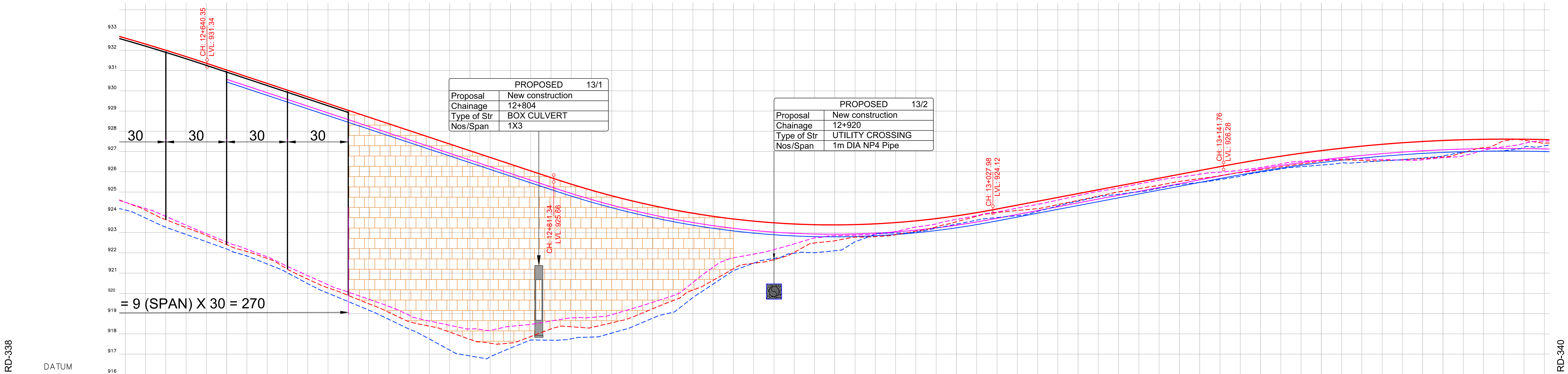
TUMKUR ROAD ←

HOSUR ROAD →




## PLAN




| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | FORMATION LEVEL LEFT SERVICE ROAD | GROUND LEVEL LEFT SERVICE ROAD | FORMATION LEVEL RIGHT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|---|---|
| 12+600 | 932.596 | 924.494 | | 924.489 | | 924.108 |
| 12+610 | 932.302 | 924.102 | | 924.181 | | 923.713 |
| 12+620 | 931.998 | 923.634 | | 923.794 | | 923.263 |
| 12+630 | 931.682 | 923.242 | | 923.361 | | 922.902 |
| 12+640 | 931.356 | 922.856 | 930.896 | 922.941 | 930.766 | 922.543 |
| 12+650 | 931.024 | 922.406 | 930.564 | 922.527 | 930.434 | 922.185 |
| 12+660 | 930.692 | 922.061 | 930.232 | 922.173 | 930.102 | 921.842 |
| 12+670 | 930.359 | 921.719 | 929.899 | 921.799 | 929.769 | 921.445 |
| 12+680 | 930.027 | 921.187 | 929.567 | 921.325 | 929.437 | 921.010 |
| 12+690 | 929.695 | 920.695 | 929.235 | 920.870 | 929.105 | 920.475 |
| 12+700 | 929.363 | 920.268 | 928.903 | 920.422 | 928.773 | 920.005 |
| 12+710 | 929.031 | 919.892 | 928.571 | 920.058 | 928.441 | 919.589 |
| 12+720 | 928.699 | 919.486 | 928.239 | 919.709 | 928.109 | 919.172 |
| 12+730 | 928.366 | 919.059 | 927.907 | 919.355 | 927.777 | 918.712 |
| 12+740 | 928.034 | 918.602 | 927.574 | 918.918 | 927.444 | 918.231 |
| 12+750 | 927.702 | 918.376 | 927.242 | 918.632 | 927.112 | 917.742 |
| 12+760 | 927.370 | 918.085 | 926.910 | 918.419 | 926.780 | 917.198 |
| 12+770 | 927.038 | 917.724 | 926.578 | 918.239 | 926.448 | 916.908 |
| 12+780 | 926.706 | 917.538 | 926.246 | 918.163 | 926.116 | 916.868 |
| 12+790 | 926.374 | 917.542 | 925.914 | 918.367 | 925.784 | 917.294 |
| 12+800 | 926.041 | 917.861 | 925.582 | 918.462 | 925.452 | 917.693 |
| 12+810 | 925.709 | 918.239 | 925.249 | 918.628 | 925.119 | 917.683 |
| 12+820 | 925.386 | 918.347 | 924.926 | 918.788 | 924.796 | 917.751 |
| 12+830 | 925.087 | 918.311 | 924.627 | 918.806 | 924.497 | 917.836 |
| 12+840 | 924.812 | 918.542 | 924.352 | 918.945 | 924.222 | 918.038 |
| 12+850 | 924.561 | 918.818 | 924.101 | 919.238 | 923.971 | 918.340 |
| 12+860 | 924.334 | 919.228 | 923.874 | 919.550 | 923.744 | 918.764 |
| 12+870 | 924.131 | 919.626 | 923.671 | 919.876 | 923.541 | 919.056 |
| 12+880 | 923.952 | 920.156 | 923.492 | 920.530 | 923.362 | 919.788 |
| 12+890 | 923.797 | 920.641 | 923.338 | 921.289 | 923.208 | 920.454 |
| 12+900 | 923.667 | 921.207 | 923.207 | 921.751 | 923.077 | 921.118 |
| 12+910 | 923.560 | 921.482 | 923.101 | 921.933 | 922.971 | 921.485 |
| 12+920 | 923.478 | 921.663 | 923.018 | 922.155 | 922.888 | 921.720 |
| 12+930 | 923.420 | 922.026 | 922.960 | 922.442 | 922.830 | 921.980 |
| 12+940 | 923.386 | 922.483 | 922.926 | 922.729 | 922.796 | 922.001 |
| 12+950 | 923.376 | 922.593 | 922.916 | 922.843 | 922.786 | 922.100 |
| 12+960 | 923.390 | 922.776 | 922.930 | 922.874 | 922.800 | 922.547 |
| 12+970 | 923.428 | 922.799 | 922.968 | 922.911 | 922.838 | 922.911 |
| 12+980 | 923.490 | 922.889 | 923.030 | 923.051 | 922.900 | 922.971 |
| 12+990 | 923.576 | 923.066 | 923.116 | 923.266 | 922.986 | 923.025 |
| 13+000 | 923.687 | 923.272 | 923.227 | 923.423 | 923.097 | 923.216 |
| 13+010 | 923.821 | 923.527 | 923.361 | 923.646 | 923.231 | 923.412 |
| 13+020 | 923.980 | 923.803 | 923.520 | 923.832 | 923.390 | 923.608 |
| 13+030 | 924.162 | 923.984 | 923.702 | 924.008 | 923.572 | 923.737 |
| 13+040 | 924.352 | 924.085 | 923.892 | 924.207 | 923.762 | 923.830 |
| 13+050 | 924.542 | 924.178 | 924.082 | 924.386 | 923.952 | 924.041 |
| 13+060 | 924.731 | 924.380 | 924.271 | 924.599 | 924.142 | 924.312 |
| 13+070 | 924.921 | 924.581 | 924.461 | 924.820 | 924.332 | 924.548 |
| 13+080 | 925.111 | 924.794 | 924.651 | 925.031 | 924.522 | 924.763 |
| 13+090 | 925.301 | 925.005 | 924.841 | 925.198 | 924.712 | 924.889 |
| 13+100 | 925.491 | 925.161 | 925.031 | 925.400 | 924.901 | 925.009 |
| 13+110 | 925.681 | 925.332 | 925.221 | 925.587 | 925.091 | 925.186 |
| 13+120 | 925.871 | 925.521 | 925.411 | 925.736 | 925.281 | 925.368 |
| 13+130 | 926.061 | 925.659 | 925.600 | 925.877 | 925.471 | 925.472 |
| 13+140 | 926.250 | 925.804 | 925.790 | 925.982 | 925.661 | 925.613 |
| 13+150 | 926.436 | 925.959 | 925.976 | 926.079 | 925.846 | 925.773 |
| 13+160 | 926.608 | 926.095 | 926.147 | 926.207 | 926.018 | 925.977 |
| 13+170 | 926.766 | 926.238 | 926.306 | 926.384 | 926.177 | 926.139 |
| 13+180 | 926.911 | 926.383 | 926.450 | 926.515 | 926.321 | 926.248 |
| 13+190 | 927.042 | 926.528 | 926.582 | 926.570 | 926.452 | 926.331 |
| 13+200 | 927.159 | 926.586 | 926.699 | 926.633 | 926.570 | 926.438 |
| 13+210 | 927.263 | 926.559 | 926.803 | 926.636 | 926.674 | 926.468 |
| 13+220 | 927.354 | 926.546 | 926.893 | 926.605 | 926.764 | 926.535 |
| 13+230 | 927.430 | 926.595 | 926.970 | 926.572 | 926.841 | 926.597 |
| 13+240 | 927.494 | 926.644 | 927.033 | 926.591 | 926.904 | 926.678 |
| 13+250 | 927.543 | 926.729 | 927.083 | 926.697 | 926.954 | 926.776 |
| 13+260 | 927.579 | 926.944 | 927.119 | 926.786 | 926.990 | 926.960 |
| 13+270 | 927.602 | 927.183 | 927.141 | 927.049 | 927.012 | 927.011 |
| 13+280 | 927.611 | 927.525 | 927.150 | 927.229 | 927.021 | 927.037 |
| 13+290 | 927.606 | 927.551 | 927.146 | 927.395 | 927.016 | 927.208 |
| 13+300 | 927.587 | 927.414 | 927.127 | 927.512 | 926.998 | 927.278 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m)

SUPERELEVATION

| | 12+640 – 12+810 | 12+810 – 13+030 | 13+030 – 13+140 | 13+140 – 13+300 |
|---|---|---|---|---|
| Main Road @ VERTICAL SCHEMATIC | G: -3.3% L: 170.992 | R: 4150.0 K: 41.5 L: 216.641 | G: 1.9% L: 113.780 | R: 7360.0 K: 73.6 L: 175.724 |
| VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m) | G: -3.3% L: 170.992 | R: 4150.1 K: 41.5 L: 216.641 | G: 1.9% L: 113.781 | R: 7360.5 K: 73.6 L: 175.724 |
| VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m) | G: -3.3% L: 170.990 | R: 4150.0 K: 41.5 L: 216.645 | G: 1.9% L: 113.768 | R: 7360.0 K: 73.6 L: 175.745 |

## LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
   * RD-02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
   * RD-03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
   * RD-04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
   * RD-05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   * RD-06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD-07 : TYPICAL CROSS SECTION SCHEDULE
   * RD-08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD-09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL −1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13–01–26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

RELEASED FOR: ☑ APPROVAL ☐ CONSTRUCTION ☐ INFORMATION ☐ TENDER ☐ DRAFT ☐ PRELIMNARY

| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |

FOR INTERNAL OFFICE ONLY

CONSULTANT: STUP Consultants Pvt. Ltd. (assystem stup)

REGISTERED OFFICE : Unit No.2702, 27th Floor, Rupa Renaissance, P.No.D-33 & D-207, Juinagar, MIDC TTC Industrial Area, Turbhe, Navi Mumbai, Thane, Maharashtra–400705 Tel: +91 (022) 68067777, E-mail: mumbai@assystem.com

OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru – 560 052 Tel.: 080 – 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 12600.000 TO CH: 13300.000

DRG.NO.: NO533/E/HWY/RD–339(R0)

DATE: 13–01–2026 | DRAWN: NRG | PREPARED: ADJ | CHECKED: SP | APPROVED: AC

SCALE: HOR= 1:1000 VER= 1:100

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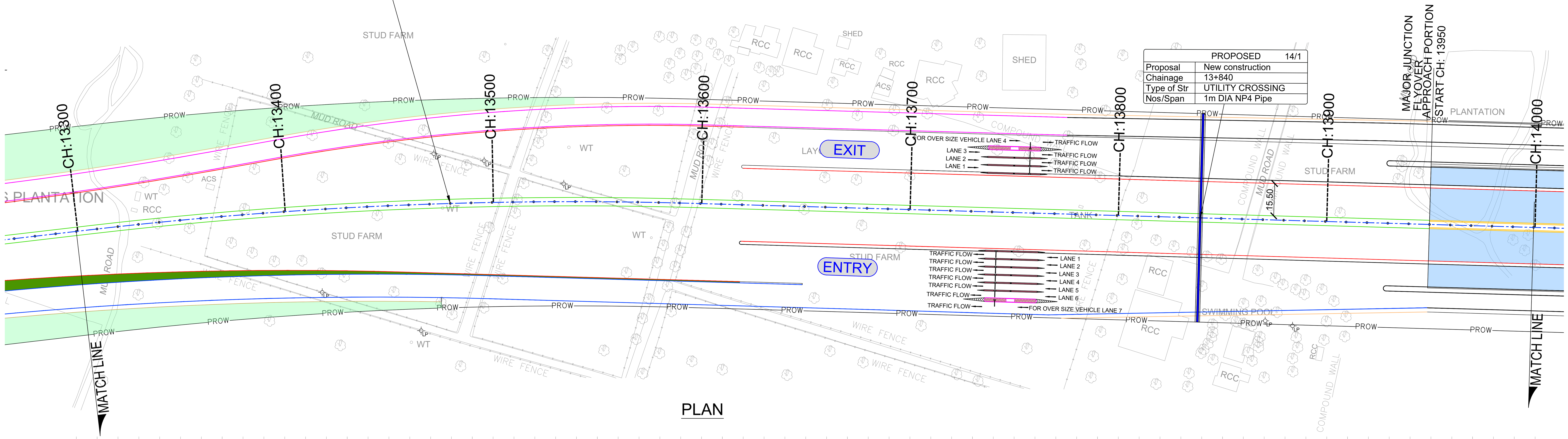
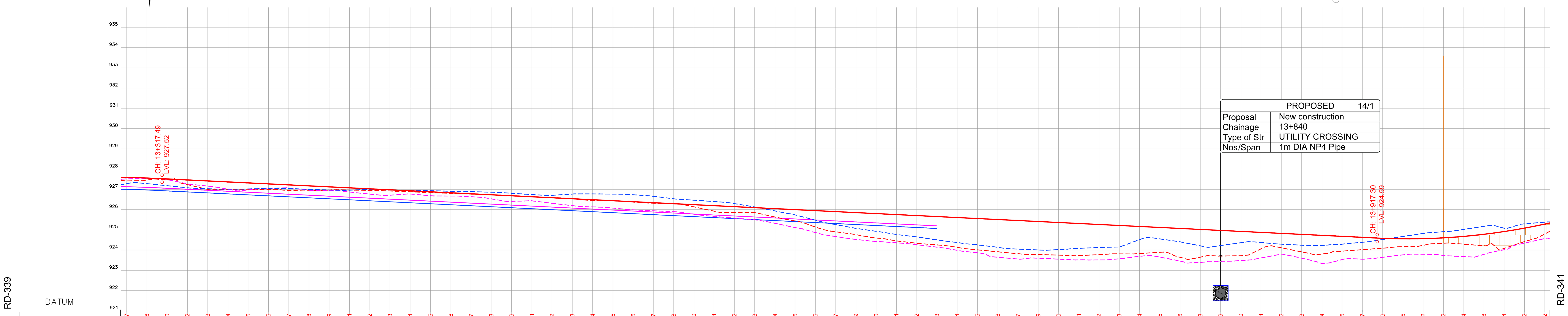
TUMKUR ROAD ← | HOSUR ROAD →




## PLAN




HORIZONTAL GEOMETRY AT ROAD CENTER (m): PI STA: 13+451.73, D: 8°18'09.48", R: 2000.00, L: 289.82; L:601.69

SUPERELEVATION: e:2.22%, e:-2.22%; e:2.22%, e:-2.22%

Main Road @ VERTICAL SCHEMATIC: G: -0.5%, L: 599.813; R: 3123.1, K: 31.2, L: 126.495

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m): G: -0.5%, L: 579.684

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): G: -0.5%, L: 581.593

| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | FORMATION LEVEL LEFT SERVICE ROAD | GROUND LEVEL LEFT SERVICE ROAD | FORMATION LEVEL RIGHT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|---|---|
| 13+300 | 927.587 | 927.414 | 927.127 | 927.512 | 926.998 | 927.278 |
| 13+310 | 927.556 | 927.453 | 927.095 | 927.530 | 926.966 | 927.278 |
| 13+320 | 927.510 | 927.467 | 927.050 | 927.480 | 926.921 | 927.177 |
| 13+330 | 927.462 | 927.231 | 927.001 | 927.267 | 926.872 | 927.075 |
| 13+340 | 927.413 | 926.993 | 926.953 | 927.159 | 926.823 | 927.026 |
| 13+350 | 927.364 | 926.988 | 926.904 | 927.003 | 926.774 | 927.009 |
| 13+360 | 927.315 | 927.005 | 926.855 | 926.968 | 926.726 | 927.016 |
| 13+370 | 927.266 | 926.994 | 926.806 | 927.047 | 926.677 | 927.042 |
| 13+380 | 927.217 | 926.947 | 926.757 | 927.063 | 926.628 | 927.032 |
| 13+390 | 927.168 | 926.928 | 926.708 | 926.955 | 926.579 | 926.997 |
| 13+400 | 927.119 | 926.963 | 926.659 | 926.946 | 926.530 | 926.964 |
| 13+410 | 927.071 | 926.964 | 926.610 | 926.868 | 926.481 | 926.957 |
| 13+420 | 927.022 | 926.947 | 926.561 | 926.762 | 926.432 | 926.995 |
| 13+430 | 926.973 | 926.917 | 926.513 | 926.708 | 926.383 | 926.963 |
| 13+440 | 926.924 | 926.876 | 926.464 | 926.769 | 926.334 | 926.949 |
| 13+450 | 926.875 | 926.836 | 926.415 | 926.682 | 926.286 | 926.931 |
| 13+460 | 926.826 | 926.801 | 926.366 | 926.668 | 926.237 | 926.905 |
| 13+470 | 926.777 | 926.763 | 926.317 | 926.632 | 926.188 | 926.881 |
| 13+480 | 926.728 | 926.728 | 926.268 | 926.528 | 926.139 | 926.857 |
| 13+490 | 926.679 | 926.690 | 926.219 | 926.405 | 926.090 | 926.804 |
| 13+500 | 926.631 | 926.641 | 926.170 | 926.430 | 926.041 | 926.740 |
| 13+510 | 926.582 | 926.595 | 926.122 | 926.308 | 925.992 | 926.703 |
| 13+520 | 926.533 | 926.542 | 926.073 | 926.193 | 925.943 | 926.766 |
| 13+530 | 926.484 | 926.455 | 926.024 | 926.130 | 925.894 | 926.770 |
| 13+540 | 926.435 | 926.432 | 925.975 | 926.073 | 925.846 | 926.763 |
| 13+550 | 926.386 | 926.368 | 925.926 | 925.985 | 925.797 | 926.730 |
| 13+560 | 926.337 | 926.312 | 925.877 | 925.937 | 925.748 | 926.655 |
| 13+570 | 926.288 | 926.277 | 925.828 | 925.893 | 925.699 | 926.532 |
| 13+580 | 926.240 | 926.133 | 925.779 | 925.771 | 925.650 | 926.462 |
| 13+590 | 926.191 | 925.920 | 925.731 | 925.660 | 925.601 | 926.395 |
| 13+600 | 926.142 | 925.852 | 925.682 | 925.576 | 925.552 | 926.292 |
| 13+610 | 926.093 | 925.848 | 925.633 | 925.493 | 925.503 | 926.128 |
| 13+620 | 926.044 | 925.631 | 925.584 | 925.321 | 925.454 | 925.932 |
| 13+630 | 925.995 | 925.434 | 925.535 | 925.108 | 925.406 | 925.735 |
| 13+640 | 925.946 | 925.137 | 925.486 | 924.861 | 925.357 | 925.476 |
| 13+650 | 925.897 | 924.902 | 925.437 | 924.669 | 925.308 | 925.258 |
| 13+660 | 925.849 | 924.759 | 925.388 | 924.526 | 925.259 | 925.073 |
| 13+670 | 925.800 | 924.593 | 925.340 | 924.428 | 925.210 | 924.925 |
| 13+680 | 925.751 | 924.451 | 925.291 | 924.358 | 925.161 | 924.769 |
| 13+690 | 925.702 | 924.335 | 925.242 | 924.265 | 925.112 | 924.647 |
| 13+700 | 925.653 | 924.255 | 925.193 | 924.143 | 925.063 | 924.501 |
| 13+710 | 925.604 | 924.132 | | 923.986 | | 924.373 |
| 13+720 | 925.555 | 924.010 | | 923.867 | | 924.255 |
| 13+730 | 925.506 | 923.915 | | 923.645 | | 924.135 |
| 13+740 | 925.457 | 923.819 | | 923.556 | | 924.046 |
| 13+750 | 925.409 | 923.776 | | 923.597 | | 924.004 |
| 13+760 | 925.360 | 923.751 | | 923.551 | | 924.022 |
| 13+770 | 925.311 | 923.726 | | 923.513 | | 924.085 |
| 13+780 | 925.262 | 923.773 | | 923.510 | | 924.126 |
| 13+790 | 925.213 | 923.811 | | 923.569 | | 924.152 |
| 13+800 | 925.164 | 923.826 | | 923.691 | | 924.514 |
| 13+810 | 925.115 | 923.889 | | 923.650 | | 924.551 |
| 13+820 | 925.066 | 923.642 | | 923.460 | | 924.405 |
| 13+830 | 925.018 | 923.649 | | 923.394 | | 924.208 |
| 13+840 | 924.969 | 923.704 | | 923.447 | | 924.222 |
| 13+850 | 924.920 | 923.717 | | 923.481 | | 924.362 |
| 13+860 | 924.871 | 924.064 | | 923.609 | | 924.375 |
| 13+870 | 924.822 | 924.112 | | 923.799 | | 924.292 |
| 13+880 | 924.773 | 923.910 | | 923.599 | | 924.240 |
| 13+890 | 924.724 | 923.803 | | 923.338 | | 924.221 |
| 13+900 | 924.675 | 923.946 | | 923.530 | | 924.291 |
| 13+910 | 924.627 | 924.019 | | 923.550 | | 924.386 |
| 13+920 | 924.579 | 924.092 | | 923.642 | | 924.519 |
| 13+930 | 924.555 | 924.165 | | 923.761 | | 924.669 |
| 13+940 | 924.562 | 924.233 | | 923.795 | | 924.819 |
| 13+950 | 924.602 | 924.338 | | 923.735 | | 924.904 |
| 13+960 | 924.674 | 924.290 | | 923.677 | | 925.019 |
| 13+970 | 924.778 | 924.212 | | 923.787 | | 925.172 |
| 13+980 | 924.914 | 924.082 | | 924.016 | | 925.078 |
| 13+990 | 925.082 | 924.417 | | 924.343 | | 925.293 |
| 14+000 | 925.282 | 924.793 | | 924.567 | | 925.377 |

## LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD–01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
   * RD–02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
   * RD–03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
   * RD–04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
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   * RD–06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD–07 : TYPICAL CROSS SECTION SCHEDULE
   * RD–08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD–09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL –1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13–01–26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION ☐ INFORMATION ☐ TENDER ☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

FOR INTERNAL OFFICE ONLY

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OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru – 560 052 Tel.: 080 – 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 13300.000 TO CH: 14000.000

DRG.NO.: NO533/E/HWY/RD–340(R0)

DATE: 13–01–2026 | DRAWN: NRG | PREPARED: ADJ | CHECKED: SP | APPROVED: AC

SCALE: HOR= 1:1000 VER= 1:100

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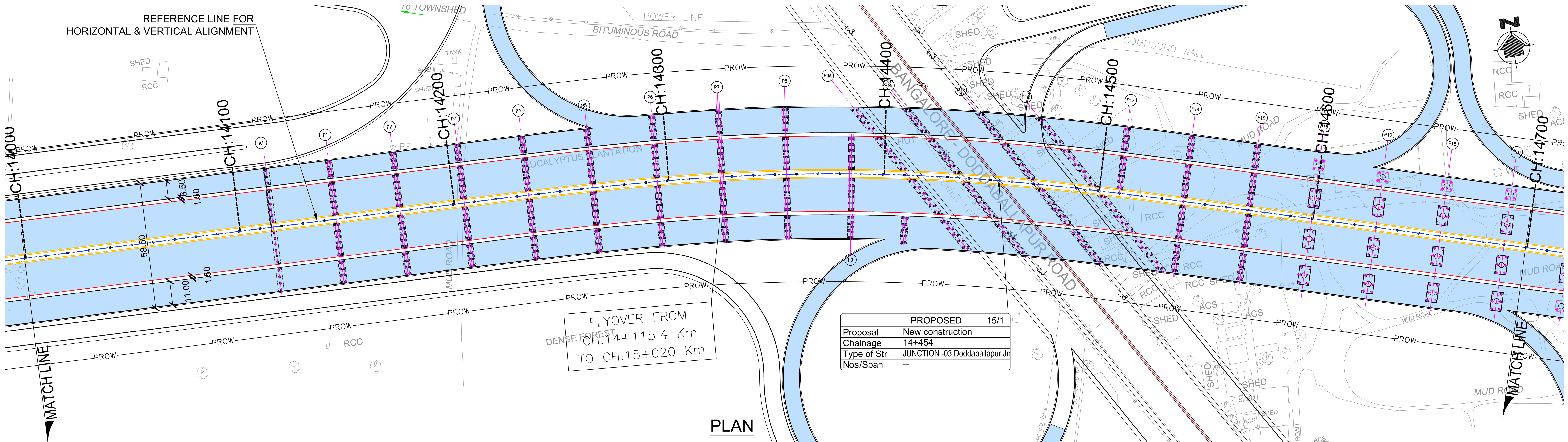
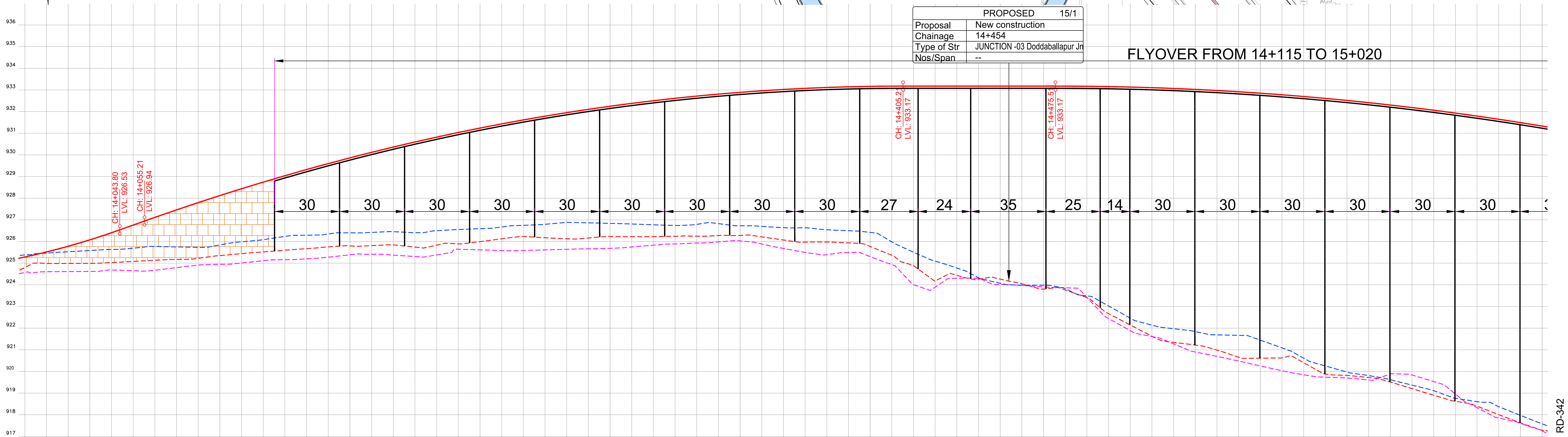
TUMKUR ROAD ←

HOSUR ROAD →




## PLAN




HORIZONTAL GEOMETRY AT ROAD CENTER (m): Ls: 130.000, LT: 86.690, ST: 43.354, K: 64.989; PI STA: 14+381.12, D: 6°40'21.46", R: 910.00, L: 105.98; Ls: 130.000, LT: 86.690, ST: 43.354, K: 64.989

SUPERELEVATION: e:4.88% e:-4.88%; e:4.88% e:-4.88%

Main Road @ VERTICAL SCHEMATIC: G: 3.6% L: 11.417; R: 9827.1 K: 98.3 L: 350.000; G: -0.0% L: 70.298

FORMATION LEVEL LEFT SERVICE ROAD; VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m); FORMATION LEVEL RIGHT SERVICE ROAD; VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): no values printed.

| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | GROUND LEVEL LEFT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|
| 14+000 | 925.282 | 924.793 | 924.567 | 925.377 |
| 14+010 | 925.513 | 924.986 | 924.600 | 925.464 |
| 14+020 | 925.777 | 924.983 | 924.608 | 925.523 |
| 14+030 | 926.073 | 924.986 | 924.614 | 925.581 |
| 14+040 | 926.401 | 925.025 | 924.681 | 925.630 |
| 14+050 | 926.755 | 925.077 | 924.650 | 925.688 |
| 14+060 | 927.110 | 925.130 | 924.666 | 925.769 |
| 14+070 | 927.456 | 925.166 | 924.791 | 925.748 |
| 14+080 | 927.792 | 925.221 | 924.906 | 925.727 |
| 14+090 | 928.118 | 925.347 | 924.942 | 925.839 |
| 14+100 | 928.434 | 925.437 | 925.003 | 925.984 |
| 14+110 | 928.739 | 925.516 | 925.108 | 926.082 |
| 14+120 | 929.035 | 925.595 | 925.156 | 926.231 |
| 14+130 | 929.320 | 925.666 | 925.195 | 926.288 |
| 14+140 | 929.595 | 925.748 | 925.273 | 926.343 |
| 14+150 | 929.860 | 925.796 | 925.381 | 926.397 |
| 14+160 | 930.114 | 925.806 | 925.408 | 926.417 |
| 14+170 | 930.359 | 925.842 | 925.369 | 926.448 |
| 14+180 | 930.593 | 925.739 | 925.302 | 926.403 |
| 14+190 | 930.817 | 925.828 | 925.377 | 926.494 |
| 14+200 | 931.031 | 925.889 | 925.640 | 926.551 |
| 14+210 | 931.235 | 925.988 | 925.612 | 926.589 |
| 14+220 | 931.428 | 926.121 | 925.581 | 926.668 |
| 14+230 | 931.612 | 926.231 | 925.582 | 926.744 |
| 14+240 | 931.785 | 926.171 | 925.609 | 926.791 |
| 14+250 | 931.948 | 926.122 | 925.636 | 926.880 |
| 14+260 | 932.101 | 926.158 | 925.661 | 926.859 |
| 14+270 | 932.243 | 926.227 | 925.681 | 926.834 |
| 14+280 | 932.376 | 926.222 | 925.743 | 926.805 |
| 14+290 | 932.498 | 926.223 | 925.827 | 926.769 |
| 14+300 | 932.610 | 926.238 | 925.885 | 926.739 |
| 14+310 | 932.712 | 926.243 | 925.927 | 926.787 |
| 14+320 | 932.804 | 926.274 | 925.978 | 926.822 |
| 14+330 | 932.886 | 926.275 | 926.026 | 926.722 |
| 14+340 | 932.957 | 926.211 | 925.880 | 926.697 |
| 14+350 | 933.018 | 926.067 | 925.677 | 926.637 |
| 14+360 | 933.069 | 925.968 | 925.494 | 926.630 |
| 14+370 | 933.110 | 925.973 | 925.390 | 926.539 |
| 14+380 | 933.141 | 925.934 | 925.488 | 926.494 |
| 14+390 | 933.162 | 925.768 | 925.298 | 926.417 |
| 14+400 | 933.172 | 925.362 | 924.930 | 925.980 |
| 14+410 | 933.173 | 924.883 | 924.003 | 925.502 |
| 14+420 | 933.173 | 924.176 | 923.888 | 925.092 |
| 14+430 | 933.173 | 924.435 | 924.299 | 924.772 |
| 14+440 | 933.173 | 924.258 | 924.297 | 924.324 |
| 14+450 | 933.173 | 924.260 | 924.014 | 924.068 |
| 14+460 | 933.173 | 924.046 | 923.967 | 923.982 |
| 14+470 | 933.173 | 923.800 | 923.900 | 923.978 |
| 14+480 | 933.173 | 923.759 | 923.859 | 923.816 |
| 14+490 | 933.166 | 923.407 | 923.417 | 923.484 |
| 14+500 | 933.151 | 922.663 | 922.440 | 923.019 |
| 14+510 | 933.130 | 922.142 | 921.879 | 922.458 |
| 14+520 | 933.101 | 921.621 | 921.609 | 922.135 |
| 14+530 | 933.065 | 921.338 | 921.269 | 921.969 |
| 14+540 | 933.021 | 921.213 | 920.892 | 921.836 |
| 14+550 | 932.970 | 920.980 | 920.690 | 921.686 |
| 14+560 | 932.912 | 920.651 | 920.477 | 921.663 |
| 14+570 | 932.847 | 920.608 | 920.250 | 921.441 |
| 14+580 | 932.774 | 920.621 | 920.030 | 921.084 |
| 14+590 | 932.694 | 920.400 | 919.842 | 920.609 |
| 14+600 | 932.606 | 919.875 | 919.730 | 920.248 |
| 14+610 | 932.512 | 919.812 | 919.693 | 919.965 |
| 14+620 | 932.409 | 919.716 | 919.604 | 919.805 |
| 14+630 | 932.300 | 919.506 | 919.882 | 919.611 |
| 14+640 | 932.183 | 919.202 | 919.832 | 919.363 |
| 14+650 | 932.059 | 918.897 | 919.529 | 919.107 |
| 14+660 | 931.928 | 918.618 | 918.952 | 918.756 |
| 14+670 | 931.789 | 918.391 | 918.321 | 918.600 |
| 14+680 | 931.643 | 918.000 | 917.847 | 918.367 |
| 14+690 | 931.490 | 917.623 | 917.600 | 917.969 |
| 14+700 | 931.329 | 917.273 | 917.249 | 917.577 |

## LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
   * RD-02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
   * RD-03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
   * RD-04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
   * RD-05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   * RD-06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD-07 : TYPICAL CROSS SECTION SCHEDULE
   * RD-08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD-09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL -1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

RELEASED FOR: ☑ APPROVAL ☐ CONSTRUCTION ☐ INFORMATION ☐ TENDER ☐ DRAFT ☐ PRELIMNARY

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

FOR INTERNAL OFFICE ONLY

CONSULTANT: STUP Consultants Pvt. Ltd. (assystem stup)

REGISTERED OFFICE : Unit No.2702, 27th Floor, Rupa Renaissance, P.No.D-33 & D-207, Juinagar, MIDC TTC Industrial Area, Turbhe, Navi Mumbai, Thane, Maharashtra-400705 Tel: +91 (022) 68067777, E-mail: mumbai@assystem.com

OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru - 560 052 Tel.: 080 - 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 14000.000 TO CH: 14700.000

DRG.NO.: NO533/E/HWY/RD-341(R0)

DATE: 13-01-2026 | DRAWN: NRG | PREPARED: ADJ | CHECKED: SP | APPROVED: AC

SCALE: HOR= 1:1000 VER= 1:100

DISCLAIMER: ONLY APPROVED AND SIGNED HARD COPIES SHALL BE USED FOR CONSTRUCTION

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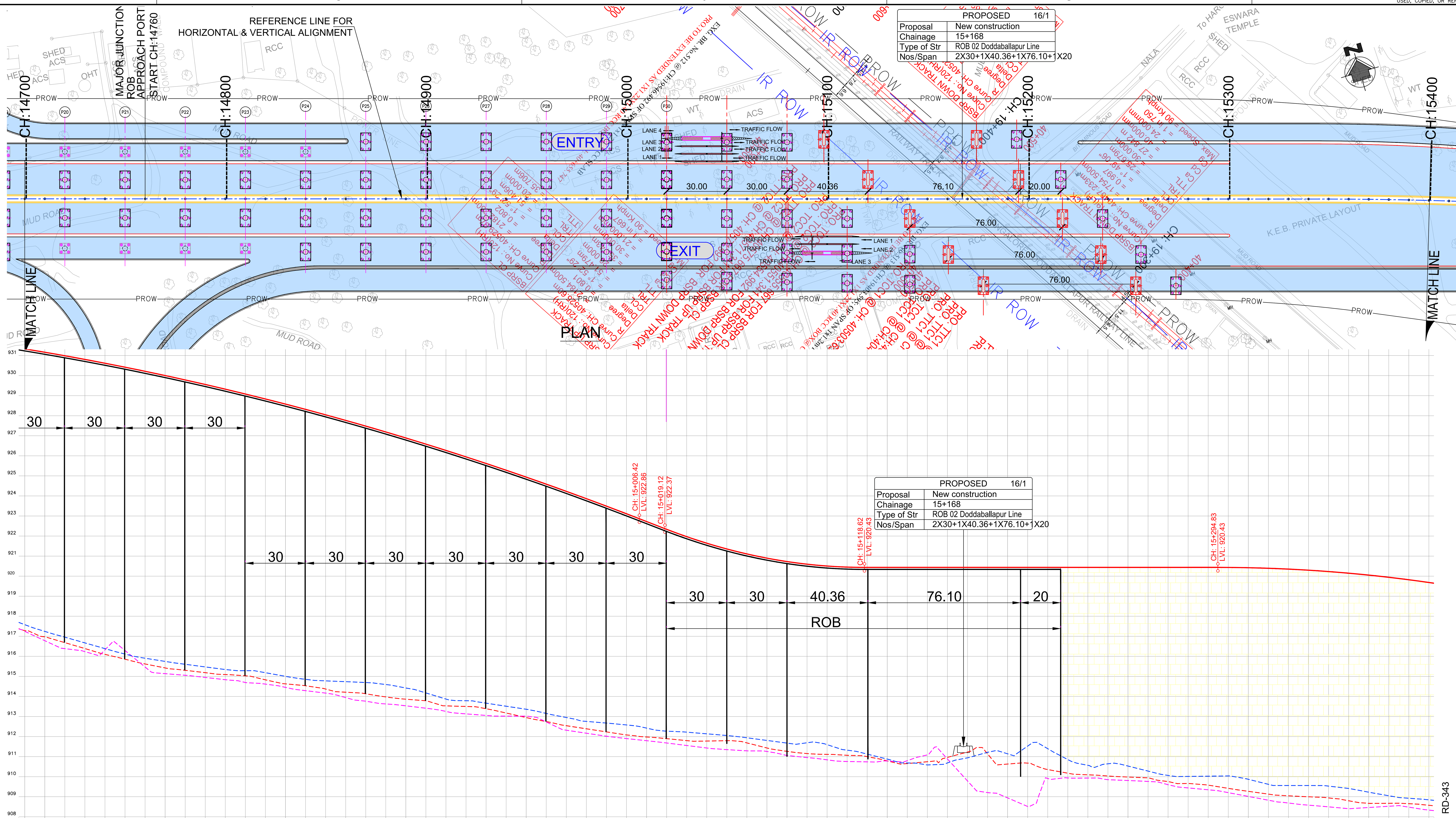
TUMKUR ROAD ←

HOSUR ROAD →




# LONGITUDINAL SECTION

HORIZONTAL GEOMETRY AT ROAD CENTER (m): L:783.78

SUPERELEVATION: e:2.23% / e:-2.23%

Main Road @ VERTICAL SCHEMATIC: R: 13663.5, K: 136.6, L: 530.911; G: -3.9%, L: 12.701; R: 2560.6, K: 25.6, L: 99.498; G: 0.0%, L: 176.205

FORMATION LEVEL LEFT SERVICE ROAD; VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m); FORMATION LEVEL RIGHT SERVICE ROAD; VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): no values printed

| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | GROUND LEVEL LEFT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|
| 14+700 | 931.329 | 917.273 | 917.249 | 917.577 |
| 14+710 | 931.161 | 916.968 | 916.778 | 917.241 |
| 14+720 | 930.986 | 916.680 | 916.381 | 916.953 |
| 14+730 | 930.803 | 916.385 | 916.233 | 916.668 |
| 14+740 | 930.613 | 916.094 | 916.320 | 916.382 |
| 14+750 | 930.416 | 915.855 | 916.286 | 916.111 |
| 14+760 | 930.212 | 915.618 | 915.465 | 915.903 |
| 14+770 | 930.000 | 915.418 | 915.133 | 915.744 |
| 14+780 | 929.781 | 915.300 | 915.052 | 915.600 |
| 14+790 | 929.554 | 915.183 | 914.945 | 915.469 |
| 14+800 | 929.320 | 915.089 | 914.832 | 915.339 |
| 14+810 | 929.079 | 915.026 | 914.692 | 915.281 |
| 14+820 | 928.831 | 914.825 | 914.612 | 915.181 |
| 14+830 | 928.575 | 914.624 | 914.449 | 915.000 |
| 14+840 | 928.312 | 914.530 | 914.285 | 914.850 |
| 14+850 | 928.041 | 914.366 | 914.164 | 914.774 |
| 14+860 | 927.764 | 914.208 | 913.941 | 914.733 |
| 14+870 | 927.478 | 914.130 | 913.760 | 914.690 |
| 14+880 | 927.186 | 913.973 | 913.622 | 914.592 |
| 14+890 | 926.886 | 913.860 | 913.529 | 914.419 |
| 14+900 | 926.579 | 913.781 | 913.410 | 914.171 |
| 14+910 | 926.265 | 913.527 | 913.250 | 913.867 |
| 14+920 | 925.943 | 913.497 | 913.127 | 913.783 |
| 14+930 | 925.614 | 913.385 | 913.050 | 913.663 |
| 14+940 | 925.278 | 913.171 | 913.016 | 913.509 |
| 14+950 | 924.934 | 912.944 | 913.016 | 913.359 |
| 14+960 | 924.584 | 912.744 | 912.725 | 913.150 |
| 14+970 | 924.225 | 912.538 | 912.314 | 912.947 |
| 14+980 | 923.860 | 912.383 | 912.163 | 912.752 |
| 14+990 | 923.487 | 912.229 | 912.013 | 912.670 |
| 15+000 | 923.107 | 912.077 | 911.896 | 912.575 |
| 15+010 | 922.720 | 911.976 | 911.790 | 912.419 |
| 15+020 | 922.331 | 911.891 | 911.676 | 912.267 |
| 15+030 | 921.966 | 911.795 | 911.551 | 912.217 |
| 15+040 | 921.639 | 911.773 | 911.426 | 912.133 |
| 15+050 | 921.351 | 911.791 | 911.344 | 912.050 |
| 15+060 | 921.103 | 911.681 | 911.284 | 911.935 |
| 15+070 | 920.894 | 911.427 | 911.253 | 911.803 |
| 15+080 | 920.723 | 911.260 | 911.053 | 911.670 |
| 15+090 | 920.592 | 911.149 | 910.950 | 911.687 |
| 15+100 | 920.500 | 911.108 | 910.836 | 911.594 |
| 15+110 | 920.447 | 911.061 | 910.753 | 911.318 |
| 15+120 | 920.432 | 910.994 | 910.735 | 911.122 |
| 15+130 | 920.432 | 910.784 | 910.776 | 910.874 |
| 15+140 | 920.432 | 910.651 | 910.795 | 910.679 |
| 15+150 | 920.432 | 910.741 | 911.080 | 910.582 |
| 15+160 | 920.432 | 910.958 | 910.879 | 910.681 |
| 15+170 | 920.432 | 911.224 | 909.783 | 910.935 |
| 15+180 | 920.432 | 911.133 | 909.203 | 911.211 |
| 15+190 | 920.432 | 910.626 | 908.937 | 911.135 |
| 15+200 | 920.432 | 910.671 | 908.509 | 911.522 |
| 15+210 | 920.432 | 910.352 | 909.906 | 911.392 |
| 15+220 | 920.432 | 910.170 | 909.931 | 910.851 |
| 15+230 | 920.432 | 910.089 | 909.926 | 910.562 |
| 15+240 | 920.432 | 910.031 | 909.846 | 910.637 |
| 15+250 | 920.432 | 909.978 | 909.804 | 910.526 |
| 15+260 | 920.432 | 909.937 | 909.758 | 910.275 |
| 15+270 | 920.432 | 909.752 | 909.595 | 910.058 |
| 15+280 | 920.432 | 909.659 | 909.435 | 910.009 |
| 15+290 | 920.432 | 909.574 | 909.342 | 910.021 |
| 15+300 | 920.430 | 909.414 | 909.200 | 910.033 |
| 15+310 | 920.416 | 909.265 | 909.011 | 909.866 |
| 15+320 | 920.389 | 909.127 | 908.822 | 909.614 |
| 15+330 | 920.348 | 909.043 | 908.682 | 909.555 |
| 15+340 | 920.293 | 908.993 | 908.575 | 909.554 |
| 15+350 | 920.225 | 908.937 | 908.491 | 909.526 |
| 15+360 | 920.143 | 908.794 | 908.400 | 909.410 |
| 15+370 | 920.048 | 908.668 | 908.458 | 909.224 |
| 15+380 | 919.939 | 908.668 | 908.521 | 909.046 |
| 15+390 | 919.817 | 908.648 | 908.476 | 908.921 |
| 15+400 | 919.681 | 908.570 | 908.330 | 908.841 |

## NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
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5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

## LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL −1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

RELEASED FOR: ☑ APPROVAL ☐ CONSTRUCTION ☐ INFORMATION ☐ TENDER ☐ DRAFT ☐ PRELIMNARY

| | CHECKED BY | SIGN | DATE | | CHECKED BY | SIGN | DATE |
|---|---|---|---|---|---|---|---|
| GIS | | | | | | | |
| HIGHWAYS | | | | MAJOR STRUCTURES | | | |
| ELECTRICAL | | | | IRRIGATION/ WATER RESOURCES | | | |
| BUILDINGS | | | | PHE / PLUMBING/ FIREFIGHTING | | | |
| ARCHITECTURE | | | | MECHANICAL / HVAC | | | |

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OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 14700.000 TO CH: 15400.000

DRG.NO.: N0533/E/HWY/RD-342(R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: HOR= 1:1000 VER= 1:100

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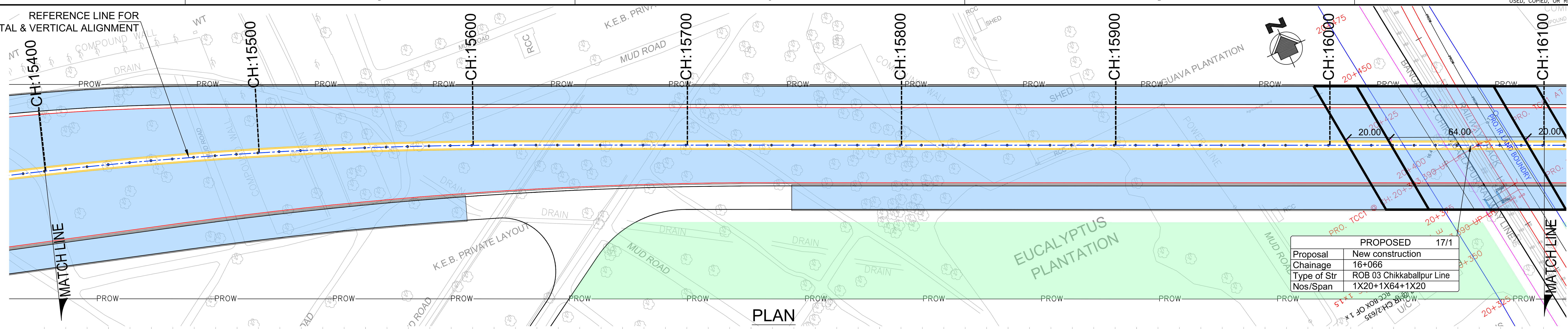
TUMKUR ROAD ←

HOSUR ROAD →




PLAN

HORIZONTAL GEOMETRY AT ROAD CENTER (m): PI STA: 15+484.85, D: 7°50'16.79", R: 2000.00, L: 273.60

SUPERELEVATION: e:2.23%, e:-2.23%

Main Road @ VERTICAL SCHEMATIC: R: 7360.0, K: 73.6, L: 229.155 | G: -3.1%, L: 288.418 | R: 4150.0, K: 41.5, L: 129.211 | G: 0.0%, L: 155.941

| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | GROUND LEVEL LEFT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|
| 15+400 | 919.681 | 908.570 | 908.330 | 908.841 |
| 15+410 | 919.531 | 908.476 | 908.219 | 908.739 |
| 15+420 | 919.368 | 908.148 | 908.096 | 908.491 |
| 15+430 | 919.191 | 907.910 | 907.868 | 908.337 |
| 15+440 | 919.000 | 907.766 | 907.610 | 908.207 |
| 15+450 | 918.796 | 907.616 | 907.375 | 908.054 |
| 15+460 | 918.579 | 907.458 | 907.192 | 907.863 |
| 15+470 | 918.347 | 907.284 | 907.064 | 907.708 |
| 15+480 | 918.103 | 907.090 | 906.858 | 907.553 |
| 15+490 | 917.844 | 906.895 | 906.630 | 907.329 |
| 15+500 | 917.572 | 906.685 | 906.401 | 907.063 |
| 15+510 | 917.287 | 906.508 | 906.182 | 906.843 |
| 15+520 | 916.987 | 906.501 | 906.162 | 906.713 |
| 15+530 | 916.677 | 906.337 | 906.029 | 906.584 |
| 15+540 | 916.366 | 905.986 | 905.786 | 906.448 |
| 15+550 | 916.055 | 905.674 | 905.472 | 906.276 |
| 15+560 | 915.743 | 905.426 | 905.161 | 906.025 |
| 15+570 | 915.432 | 905.293 | 905.056 | 905.669 |
| 15+580 | 915.120 | 905.190 | 904.869 | 905.654 |
| 15+590 | 914.809 | 904.956 | 904.712 | 905.590 |
| 15+600 | 914.498 | 904.774 | 904.536 | 905.404 |
| 15+610 | 914.186 | 904.547 | 904.280 | 905.137 |
| 15+620 | 913.875 | 904.338 | 904.202 | 904.814 |
| 15+630 | 913.564 | 904.187 | 904.062 | 904.528 |
| 15+640 | 913.252 | 903.953 | 903.861 | 904.298 |
| 15+650 | 912.941 | 903.786 | 903.654 | 904.068 |
| 15+660 | 912.630 | 903.634 | 903.457 | 903.955 |
| 15+670 | 912.318 | 903.399 | 903.305 | 904.001 |
| 15+680 | 912.007 | 903.200 | 903.056 | 903.742 |
| 15+690 | 911.696 | 903.014 | 902.785 | 903.567 |
| 15+700 | 911.384 | 902.895 | 902.582 | 903.400 |
| 15+710 | 911.073 | 902.766 | 902.480 | 903.241 |
| 15+720 | 910.762 | 902.628 | 902.264 | 903.069 |
| 15+730 | 910.450 | 902.458 | 902.020 | 902.891 |
| 15+740 | 910.139 | 902.346 | 901.935 | 902.714 |
| 15+750 | 909.827 | 902.254 | 902.009 | 902.532 |
| 15+760 | 909.516 | 902.062 | 901.829 | 902.370 |
| 15+770 | 909.205 | 901.913 | 901.640 | 902.313 |
| 15+780 | 908.893 | 901.664 | 901.240 | 902.200 |
| 15+790 | 908.582 | 901.331 | 900.894 | 901.942 |
| 15+800 | 908.271 | 901.180 | 900.664 | 901.692 |
| 15+810 | 907.959 | 900.885 | 900.441 | 901.391 |
| 15+820 | 907.655 | 900.584 | 900.168 | 901.051 |
| 15+830 | 907.374 | 900.266 | 899.940 | 900.938 |
| 15+840 | 907.117 | 899.988 | 899.645 | 900.568 |
| 15+850 | 906.884 | 899.728 | 899.425 | 900.343 |
| 15+860 | 906.676 | 899.515 | 899.267 | 900.229 |
| 15+870 | 906.491 | 899.386 | 899.080 | 900.053 |
| 15+880 | 906.330 | 899.267 | 899.012 | 899.989 |
| 15+890 | 906.194 | 898.992 | 898.720 | 899.876 |
| 15+900 | 906.082 | 898.358 | 898.101 | 899.749 |
| 15+910 | 905.994 | 897.904 | 897.618 | 899.335 |
| 15+920 | 905.929 | 897.749 | 897.467 | 898.636 |
| 15+930 | 905.889 | 897.588 | 897.347 | 898.011 |
| 15+940 | 905.873 | 897.440 | 897.211 | 897.912 |
| 15+950 | 905.873 | 897.249 | 896.987 | 897.739 |
| 15+960 | 905.873 | 897.071 | 896.925 | 897.467 |
| 15+970 | 905.873 | 896.958 | 896.816 | 897.290 |
| 15+980 | 905.873 | 896.824 | 896.725 | 897.182 |
| 15+990 | 905.873 | 896.721 | 896.522 | 897.091 |
| 16+000 | 905.873 | 896.441 | 896.057 | 897.048 |
| 16+010 | 905.873 | 896.139 | 895.734 | 896.731 |
| 16+020 | 905.873 | 895.948 | 895.677 | 896.413 |
| 16+030 | 905.873 | 895.850 | 895.551 | 896.165 |
| 16+040 | 905.873 | 895.660 | 895.609 | 896.121 |
| 16+050 | 905.873 | 895.729 | 896.710 | 896.098 |
| 16+060 | 905.873 | 896.299 | 896.381 | 896.365 |
| 16+070 | 905.873 | 896.664 | 895.893 | 896.591 |
| 16+080 | 905.873 | 895.510 | 895.472 | 896.502 |
| 16+090 | 905.873 | 895.467 | 895.343 | 896.601 |
| 16+100 | 905.873 | 895.512 | 895.419 | 895.993 |

FORMATION LEVEL LEFT SERVICE ROAD; VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m); FORMATION LEVEL RIGHT SERVICE ROAD; VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m)

## LONGITUDINAL SECTION

NOTES:
1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
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 * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
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5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:
- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL -1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION ☐ INFORMATION ☐ TENDER ☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | MAJOR STRUCTURES | | |
| HIGHWAYS | | | IRRIGATION/ WATER RESOURCES | | |
| ELECTRICAL | | | PHE / PLUMBING/ FIREFIGHTING | | |
| BUILDINGS | | | MECHANICAL / HVAC | | |
| ARCHITECTURE | | | | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

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CONSULTANT: STUP Consultants Pvt. Ltd. (assystem stup)

REGISTERED OFFICE : Unit No.2702, 27th Floor, Rupa Renaissance, P.No.D-33 & D-207, Juinagar, MIDC TTC Industrial Area, Turbhe, Navi Mumbai, Thane, Maharashtra-400705 Tel: +91 (022) 68067777, E-mail: mumbai@assystem.com

OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru - 560 052 Tel.: 080 - 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 15400.000 TO CH: 16100.000

DRG.NO.: NO533/E/HWY/RD-343(RO)

DATE: 13-01-2026 | DRAWN: NRG | PREPARED: ADJ | CHECKED: SP | APPROVED: AC

SCALE: HOR= 1:1000 VER= 1:100

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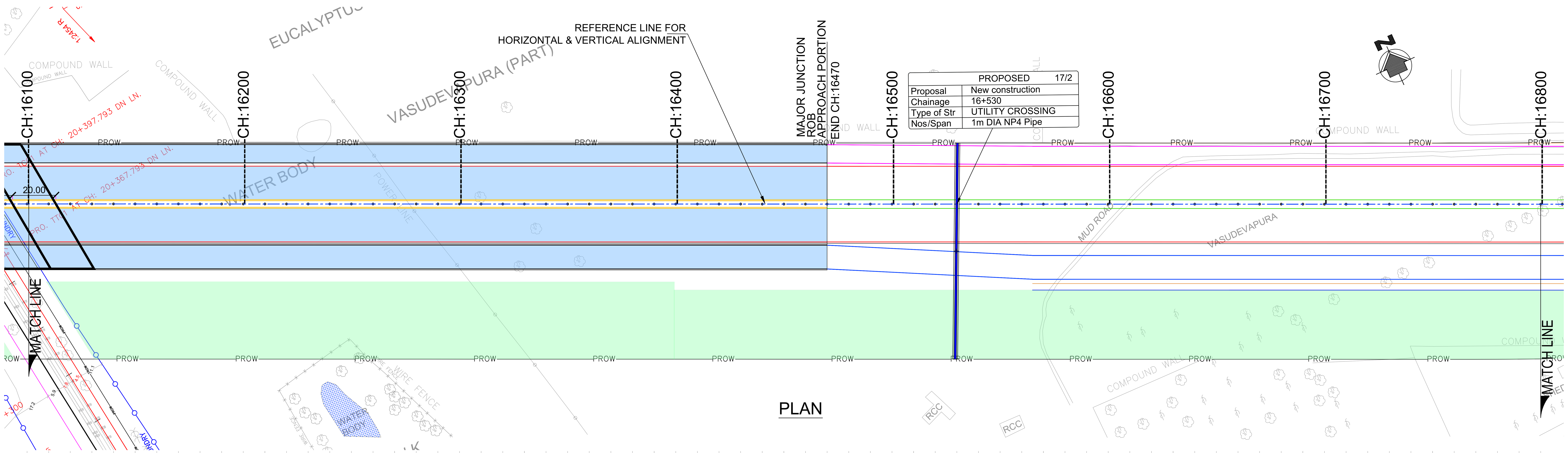
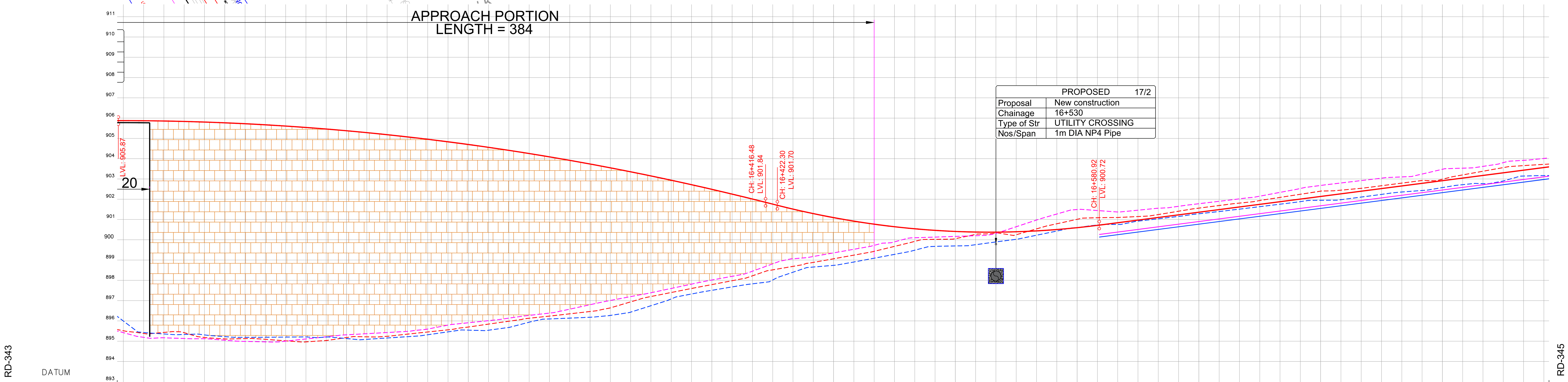
TUMKUR ROAD ← | → HOSUR ROAD




PLAN




HORIZONTAL GEOMETRY AT ROAD CENTER (m): L:1262.62

SUPERELEVATION

Main Road @ VERTICAL SCHEMATIC: R: 12621.9 K: 126.2 L: 318.930 — G: -2.5% L: 5.818 — R: 4150.0 K: 41.5 L: 158.622 — G: 1.3% L: 261.687

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m): R: 4150.0 K: 41.5 L: 158.622 — G: 1.3% L: 261.687

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): R: 4150.0 K: 41.5 L: 158.622 — G: 1.3% L: 261.687

| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | FORMATION LEVEL LEFT SERVICE ROAD | GROUND LEVEL LEFT SERVICE ROAD | FORMATION LEVEL RIGHT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|---|---|
| 16+100 | 905.873 | 895.512 | | 895.419 | | 895.993 |
| 16+110 | 905.867 | 895.378 | | 895.186 | | 895.425 |
| 16+120 | 905.853 | 895.428 | | 895.163 | | 895.353 |
| 16+130 | 905.831 | 895.415 | | 895.129 | | 895.327 |
| 16+140 | 905.802 | 895.179 | | 895.120 | | 895.306 |
| 16+150 | 905.764 | 895.108 | | 895.045 | | 895.221 |
| 16+160 | 905.719 | 895.124 | | 894.985 | | 895.186 |
| 16+170 | 905.665 | 895.090 | | 894.962 | | 895.190 |
| 16+180 | 905.604 | 895.014 | | 894.998 | | 895.199 |
| 16+190 | 905.535 | 894.962 | | 895.106 | | 895.207 |
| 16+200 | 905.457 | 895.029 | | 895.214 | | 895.200 |
| 16+210 | 905.372 | 895.174 | | 895.311 | | 895.126 |
| 16+220 | 905.279 | 895.211 | | 895.367 | | 895.089 |
| 16+230 | 905.178 | 895.237 | | 895.423 | | 895.154 |
| 16+240 | 905.069 | 895.344 | | 895.479 | | 895.218 |
| 16+250 | 904.952 | 895.450 | | 895.595 | | 895.313 |
| 16+260 | 904.828 | 895.557 | | 895.789 | | 895.456 |
| 16+270 | 904.695 | 895.694 | | 895.905 | | 895.541 |
| 16+280 | 904.555 | 895.839 | | 896.009 | | 895.537 |
| 16+290 | 904.406 | 895.981 | | 896.133 | | 895.674 |
| 16+300 | 904.250 | 896.128 | | 896.268 | | 895.932 |
| 16+310 | 904.085 | 896.234 | | 896.381 | | 896.092 |
| 16+320 | 903.913 | 896.346 | | 896.576 | | 896.134 |
| 16+330 | 903.733 | 896.460 | | 896.794 | | 896.176 |
| 16+340 | 903.545 | 896.639 | | 897.004 | | 896.267 |
| 16+350 | 903.349 | 896.935 | | 897.195 | | 896.429 |
| 16+360 | 903.145 | 897.199 | | 897.384 | | 896.745 |
| 16+370 | 902.933 | 897.397 | | 897.596 | | 897.081 |
| 16+380 | 902.713 | 897.595 | | 897.809 | | 897.324 |
| 16+390 | 902.485 | 897.787 | | 898.012 | | 897.504 |
| 16+400 | 902.249 | 897.978 | | 898.194 | | 897.672 |
| 16+410 | 902.006 | 898.219 | | 898.446 | | 897.824 |
| 16+420 | 901.755 | 898.514 | | 898.810 | | 898.014 |
| 16+430 | 901.509 | 898.685 | | 899.061 | | 898.397 |
| 16+440 | 901.287 | 898.881 | | 899.173 | | 898.652 |
| 16+450 | 901.089 | 899.060 | | 899.351 | | 898.736 |
| 16+460 | 900.915 | 899.240 | | 899.529 | | 898.901 |
| 16+470 | 900.766 | 899.428 | | 899.722 | | 899.089 |
| 16+480 | 900.640 | 899.671 | | 899.895 | | 899.277 |
| 16+490 | 900.538 | 899.917 | | 900.095 | | 899.483 |
| 16+500 | 900.461 | 900.018 | 900.001 | 900.129 | 899.871 | 899.671 |
| 16+510 | 900.407 | 900.052 | 899.947 | 900.163 | 899.817 | 899.693 |
| 16+520 | 900.378 | 900.260 | 899.918 | 900.197 | 899.788 | 899.754 |
| 16+530 | 900.373 | 900.330 | 899.913 | 900.310 | 899.783 | 899.890 |
| 16+540 | 900.392 | 900.246 | 899.932 | 900.640 | 899.802 | 900.018 |
| 16+550 | 900.435 | 900.534 | 899.975 | 900.971 | 899.845 | 900.221 |
| 16+560 | 900.502 | 900.786 | 900.042 | 901.267 | 899.912 | 900.427 |
| 16+570 | 900.593 | 901.005 | 900.133 | 901.486 | 900.003 | 900.599 |
| 16+580 | 900.708 | 901.084 | 900.248 | 901.439 | 900.118 | 900.724 |
| 16+590 | 900.838 | 901.096 | 900.378 | 901.366 | 900.248 | 900.753 |
| 16+600 | 900.967 | 901.142 | 900.507 | 901.456 | 900.377 | 900.916 |
| 16+610 | 901.097 | 901.240 | 900.637 | 901.552 | 900.507 | 901.032 |
| 16+620 | 901.226 | 901.405 | 900.766 | 901.648 | 900.636 | 901.148 |
| 16+630 | 901.356 | 901.558 | 900.896 | 901.775 | 900.766 | 901.280 |
| 16+640 | 901.485 | 901.686 | 901.025 | 901.894 | 900.895 | 901.390 |
| 16+650 | 901.615 | 901.805 | 901.155 | 902.015 | 901.025 | 901.507 |
| 16+660 | 901.745 | 901.932 | 901.285 | 902.147 | 901.155 | 901.629 |
| 16+670 | 901.874 | 902.086 | 901.414 | 902.334 | 901.284 | 901.751 |
| 16+680 | 902.004 | 902.240 | 901.544 | 902.526 | 901.414 | 901.877 |
| 16+690 | 902.133 | 902.394 | 901.673 | 902.676 | 901.543 | 901.943 |
| 16+700 | 902.263 | 902.444 | 901.803 | 902.797 | 901.673 | 901.972 |
| 16+710 | 902.392 | 902.535 | 901.932 | 902.915 | 901.802 | 902.103 |
| 16+720 | 902.522 | 902.661 | 902.062 | 903.034 | 901.932 | 902.235 |
| 16+730 | 902.651 | 902.791 | 902.191 | 903.096 | 902.061 | 902.353 |
| 16+740 | 902.781 | 902.920 | 902.321 | 903.238 | 902.191 | 902.428 |
| 16+750 | 902.910 | 902.982 | 902.450 | 903.472 | 902.320 | 902.570 |
| 16+760 | 903.040 | 903.196 | 902.580 | 903.528 | 902.450 | 902.714 |
| 16+770 | 903.169 | 903.376 | 902.709 | 903.616 | 902.579 | 902.765 |
| 16+780 | 903.299 | 903.556 | 902.839 | 903.799 | 902.709 | 902.896 |
| 16+790 | 903.429 | 903.654 | 902.969 | 903.913 | 902.839 | 903.139 |
| 16+800 | 903.558 | 903.715 | 903.098 | 904.007 | 902.968 | 903.163 |

# LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
   * RD-02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
   * RD-03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
   * RD-04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
   * RD-05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   * RD-06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD-07 : TYPICAL CROSS SECTION SCHEDULE
   * RD-08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD-09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL -1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

FOR INTERNAL OFFICE ONLY


CONSULTANT: STUP Consultants Pvt. Ltd. (assystem stup)

REGISTERED OFFICE : Unit No.2702, 27th Floor, Rupa Renaissance, P.No.D-33 & D-207, Juinagar, MIDC TTC Industrial Area, Turbhe, Navi Mumbai, Thane, Maharashtra-400705 Tel: +91 (022) 68067777, E-mail: mumbai@assystem.com

OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru - 560 052 Tel.: 080 - 40 39 79 79 Email : bangalore@assystem.com


OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 16100.000 TO CH: 16800.000

DRG.NO.: NO533/E/HWY/RD-344(R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: HOR= 1:1000 VER= 1:100

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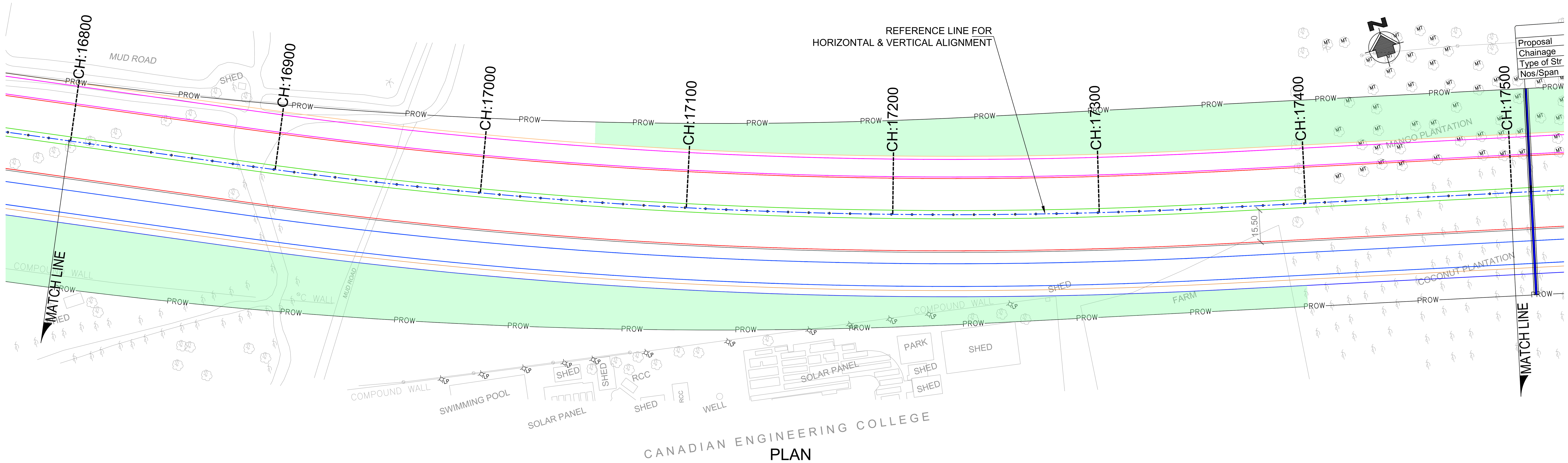
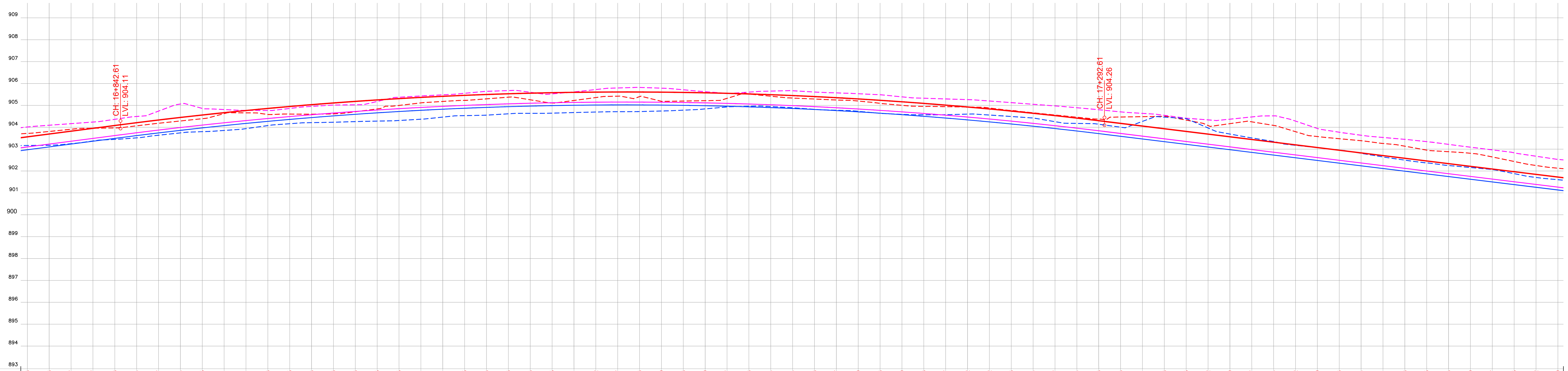
TUMKUR ROAD ←

HOSUR ROAD →




## PLAN




| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | FORMATION LEVEL LEFT SERVICE ROAD | GROUND LEVEL LEFT SERVICE ROAD | FORMATION LEVEL RIGHT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|---|---|
| 16+800 | 903.558 | 903.715 | 903.098 | 904.007 | 902.968 | 903.163 |
| 16+810 | 903.688 | 903.804 | 903.228 | 904.088 | 903.098 | 903.173 |
| 16+820 | 903.817 | 903.904 | 903.357 | 904.161 | 903.227 | 903.245 |
| 16+830 | 903.947 | 903.951 | 903.487 | 904.234 | 903.357 | 903.369 |
| 16+840 | 904.076 | 903.966 | 903.616 | 904.359 | 903.486 | 903.442 |
| 16+850 | 904.204 | 904.061 | 903.744 | 904.489 | 903.614 | 903.512 |
| 16+860 | 904.327 | 904.178 | 903.867 | 904.734 | 903.737 | 903.632 |
| 16+870 | 904.444 | 904.283 | 903.984 | 905.057 | 903.854 | 903.738 |
| 16+880 | 904.555 | 904.387 | 904.095 | 904.857 | 903.965 | 903.794 |
| 16+890 | 904.661 | 904.618 | 904.201 | 904.805 | 904.071 | 903.849 |
| 16+900 | 904.761 | 904.654 | 904.301 | 904.765 | 904.171 | 903.933 |
| 16+910 | 904.856 | 904.579 | 904.396 | 904.761 | 904.266 | 904.073 |
| 16+920 | 904.945 | 904.598 | 904.485 | 904.855 | 904.355 | 904.157 |
| 16+930 | 905.028 | 904.594 | 904.568 | 904.949 | 904.438 | 904.206 |
| 16+940 | 905.106 | 904.607 | 904.646 | 905.010 | 904.516 | 904.225 |
| 16+950 | 905.178 | 904.704 | 904.718 | 905.023 | 904.588 | 904.254 |
| 16+960 | 905.245 | 904.833 | 904.785 | 905.175 | 904.655 | 904.277 |
| 16+970 | 905.305 | 904.993 | 904.845 | 905.368 | 904.715 | 904.305 |
| 16+980 | 905.361 | 905.109 | 904.901 | 905.425 | 904.771 | 904.363 |
| 16+990 | 905.411 | 905.175 | 904.951 | 905.478 | 904.821 | 904.460 |
| 17+000 | 905.455 | 905.224 | 904.995 | 905.548 | 904.865 | 904.527 |
| 17+010 | 905.493 | 905.294 | 905.033 | 905.638 | 904.903 | 904.549 |
| 17+020 | 905.526 | 905.371 | 905.066 | 905.672 | 904.936 | 904.611 |
| 17+030 | 905.553 | 905.251 | 905.093 | 905.595 | 904.963 | 904.632 |
| 17+040 | 905.575 | 905.105 | 905.115 | 905.521 | 904.985 | 904.641 |
| 17+050 | 905.591 | 905.220 | 905.131 | 905.610 | 905.001 | 904.668 |
| 17+060 | 905.602 | 905.354 | 905.142 | 905.719 | 905.012 | 904.691 |
| 17+070 | 905.607 | 905.417 | 905.147 | 905.791 | 905.017 | 904.706 |
| 17+080 | 905.606 | 905.395 | 905.146 | 905.816 | 905.016 | 904.713 |
| 17+090 | 905.599 | 905.181 | 905.139 | 905.782 | 905.009 | 904.738 |
| 17+100 | 905.588 | 905.193 | 905.128 | 905.708 | 904.998 | 904.777 |
| 17+110 | 905.570 | 905.210 | 905.110 | 905.621 | 904.980 | 904.835 |
| 17+120 | 905.547 | 905.316 | 905.087 | 905.544 | 904.957 | 904.924 |
| 17+130 | 905.518 | 905.520 | 905.058 | 905.601 | 904.928 | 904.956 |
| 17+140 | 905.484 | 905.415 | 905.024 | 905.648 | 904.894 | 904.942 |
| 17+150 | 905.444 | 905.331 | 904.984 | 905.664 | 904.854 | 904.887 |
| 17+160 | 905.398 | 905.286 | 904.938 | 905.606 | 904.808 | 904.814 |
| 17+170 | 905.347 | 905.241 | 904.887 | 905.566 | 904.757 | 904.774 |
| 17+180 | 905.290 | 905.194 | 904.830 | 905.528 | 904.700 | 904.724 |
| 17+190 | 905.228 | 905.088 | 904.768 | 905.481 | 904.638 | 904.632 |
| 17+200 | 905.160 | 904.998 | 904.700 | 905.385 | 904.570 | 904.586 |
| 17+210 | 905.086 | 904.949 | 904.626 | 905.323 | 904.496 | 904.566 |
| 17+220 | 905.007 | 904.937 | 904.547 | 905.290 | 904.417 | 904.569 |
| 17+230 | 904.922 | 904.920 | 904.462 | 905.258 | 904.332 | 904.597 |
| 17+240 | 904.832 | 904.876 | 904.372 | 905.195 | 904.242 | 904.554 |
| 17+250 | 904.736 | 904.761 | 904.276 | 905.121 | 904.146 | 904.487 |
| 17+260 | 904.634 | 904.656 | 904.174 | 905.045 | 904.044 | 904.418 |
| 17+270 | 904.527 | 904.555 | 904.067 | 904.971 | 903.937 | 904.251 |
| 17+280 | 904.414 | 904.454 | 903.954 | 904.888 | 903.824 | 904.171 |
| 17+290 | 904.296 | 904.369 | 903.836 | 904.797 | 903.706 | 904.134 |
| 17+300 | 904.173 | 904.464 | 903.713 | 904.699 | 903.583 | 903.999 |
| 17+310 | 904.051 | 904.480 | 903.591 | 904.630 | 903.461 | 904.264 |
| 17+320 | 903.928 | 904.496 | 903.468 | 904.541 | 903.338 | 904.460 |
| 17+330 | 903.805 | 904.324 | 903.345 | 904.409 | 903.215 | 904.391 |
| 17+340 | 903.682 | 904.076 | 903.222 | 904.332 | 903.092 | 903.963 |
| 17+350 | 903.560 | 904.160 | 903.100 | 904.365 | 902.970 | 903.686 |
| 17+360 | 903.437 | 904.243 | 902.977 | 904.467 | 902.847 | 903.508 |
| 17+370 | 903.314 | 904.080 | 902.854 | 904.516 | 902.724 | 903.345 |
| 17+380 | 903.192 | 903.794 | 902.732 | 904.278 | 902.602 | 903.171 |
| 17+390 | 903.069 | 903.571 | 902.609 | 903.942 | 902.479 | 903.063 |
| 17+400 | 902.946 | 903.473 | 902.486 | 903.769 | 902.356 | 902.954 |
| 17+410 | 902.824 | 903.381 | 902.364 | 903.631 | 902.234 | 902.805 |
| 17+420 | 902.701 | 903.254 | 902.241 | 903.529 | 902.111 | 902.639 |
| 17+430 | 902.578 | 903.131 | 902.118 | 903.443 | 901.988 | 902.493 |
| 17+440 | 902.455 | 902.951 | 901.995 | 903.338 | 901.865 | 902.367 |
| 17+450 | 902.333 | 902.878 | 901.873 | 903.213 | 901.743 | 902.247 |
| 17+460 | 902.210 | 902.807 | 901.750 | 903.085 | 901.620 | 902.157 |
| 17+470 | 902.087 | 902.639 | 901.627 | 902.962 | 901.497 | 902.063 |
| 17+480 | 901.965 | 902.432 | 901.505 | 902.828 | 901.375 | 901.876 |
| 17+490 | 901.842 | 902.248 | 901.382 | 902.672 | 901.252 | 901.702 |
| 17+500 | 901.719 | 902.125 | 901.259 | 902.526 | 901.129 | 901.599 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m): PI STA: 17+121.66, D: 10°56'43.82", R: 2480.00, L: 473.77

SUPERELEVATION

Main Road @ VERTICAL SCHEMATIC: R: 17839.9, K: 178.4, L: 450.000

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m): R: 17839.9, K: 178.4, L: 450.000

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): R: 17839.9, K: 178.4, L: 450.000

## LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
 * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
 * RD-02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
 * RD-03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
 * RD-04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
 * RD-05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
 * RD-06 : TYPICAL CROSS SECTION AT TOLL PLAZA
 * RD-07 : TYPICAL CROSS SECTION SCHEDULE
 * RD-08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
 * RD-09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL -1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

FOR INTERNAL OFFICE ONLY

CONSULTANT: STUP Consultants Pvt. Ltd. (assystem stup)

REGISTERED OFFICE : Unit No.2702, 27th Floor, Rupa Renaissance, P.No.D-33 & D-207, Juinagar, MIDC TTC Industrial Area, Turbhe, Navi Mumbai, Thane, Maharashtra-400705 Tel: +91 (022) 68067777, E-mail: mumbai@assystem.com

OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru – 560 052 Tel.: 080 – 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 16800.000 TO CH: 17500.000

DRG.NO.: NO533/E/HWY/RD-345(R0)

DATE: 13-01-2026 | DRAWN: NRG | PREPARED: ADJ | CHECKED: SP | APPROVED: AC

SCALE: HOR= 1:1000 VER= 1:100

DISCLAIMER: ONLY APPROVED AND SIGNED HARD COPIES SHALL BE USED FOR CONSTRUCTION

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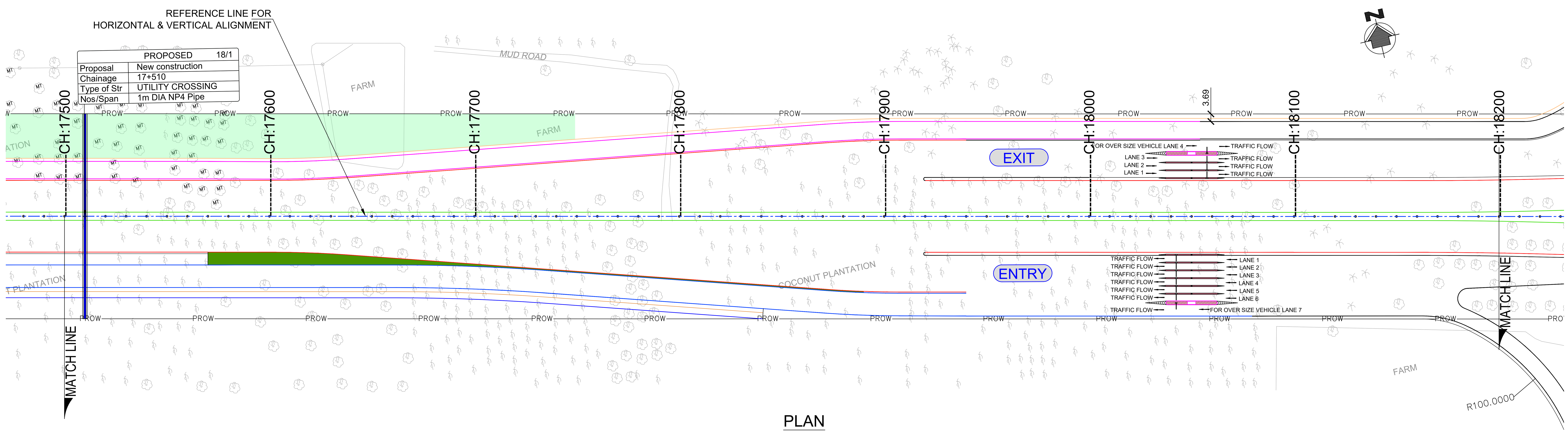
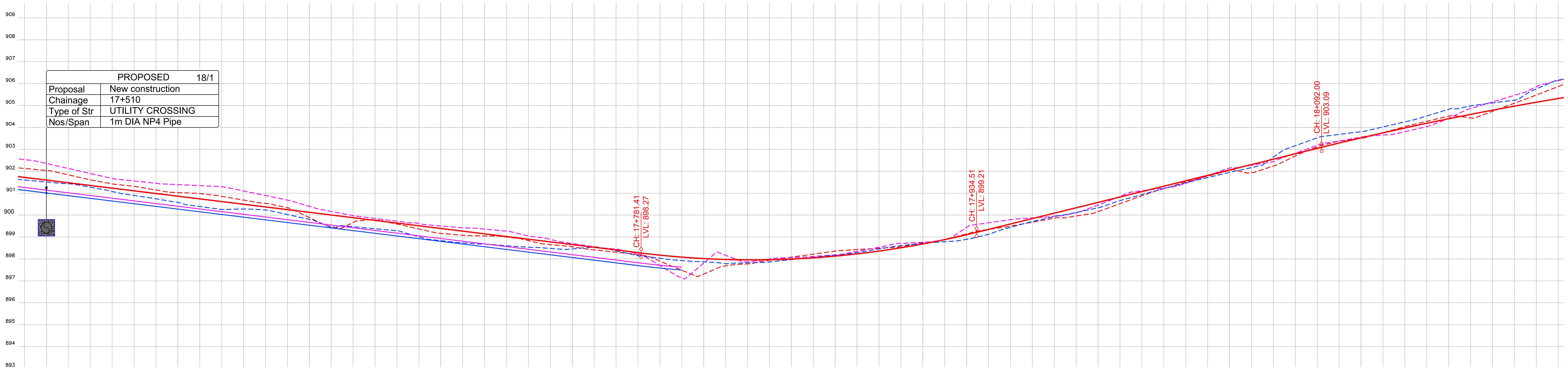
TUMKUR ROAD ← → HOSUR ROAD




PLAN




| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | FORMATION LEVEL LEFT SERVICE ROAD | GROUND LEVEL LEFT SERVICE ROAD | FORMATION LEVEL RIGHT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|---|---|
| 17+500 | 901.719 | 902.125 | 901.259 | 902.526 | 901.129 | 901.599 |
| 17+510 | 901.597 | 902.033 | 901.137 | 902.353 | 901.007 | 901.507 |
| 17+520 | 901.474 | 901.834 | 901.014 | 902.124 | 900.884 | 901.427 |
| 17+530 | 901.351 | 901.605 | 900.891 | 901.896 | 900.761 | 901.271 |
| 17+540 | 901.228 | 901.424 | 900.768 | 901.667 | 900.638 | 901.074 |
| 17+550 | 901.106 | 901.310 | 900.646 | 901.555 | 900.516 | 900.893 |
| 17+560 | 900.983 | 901.143 | 900.523 | 901.451 | 900.393 | 900.740 |
| 17+570 | 900.860 | 901.025 | 900.400 | 901.388 | 900.270 | 900.573 |
| 17+580 | 900.738 | 900.979 | 900.278 | 901.342 | 900.148 | 900.388 |
| 17+590 | 900.615 | 900.853 | 900.155 | 901.295 | 900.025 | 900.254 |
| 17+600 | 900.492 | 900.683 | 900.032 | 901.100 | 899.902 | 900.273 |
| 17+610 | 900.370 | 900.532 | 899.909 | 900.891 | 899.779 | 900.229 |
| 17+620 | 900.247 | 900.332 | 899.787 | 900.682 | 899.657 | 900.023 |
| 17+630 | 900.124 | 899.885 | 899.664 | 900.397 | 899.534 | 899.802 |
| 17+640 | 900.001 | 899.470 | 899.541 | 900.166 | 899.411 | 899.435 |
| 17+650 | 899.879 | 899.663 | 899.419 | 899.969 | 899.289 | 899.465 |
| 17+660 | 899.756 | 899.776 | 899.296 | 899.844 | 899.166 | 899.374 |
| 17+670 | 899.633 | 899.588 | 899.173 | 899.718 | 899.043 | 899.284 |
| 17+680 | 899.511 | 899.364 | 899.051 | 899.615 | 898.921 | 899.007 |
| 17+690 | 899.388 | 899.166 | 898.928 | 899.499 | 898.798 | 898.831 |
| 17+700 | 899.265 | 899.078 | 898.805 | 899.420 | 898.675 | 898.730 |
| 17+710 | 899.142 | 899.047 | 898.682 | 899.358 | 898.552 | 898.673 |
| 17+720 | 899.020 | 898.997 | 898.560 | 899.267 | 898.430 | 898.599 |
| 17+730 | 898.897 | 898.834 | 898.437 | 899.046 | 898.307 | 898.532 |
| 17+740 | 898.774 | 898.651 | 898.314 | 898.888 | 898.184 | 898.476 |
| 17+750 | 898.652 | 898.547 | 898.192 | 898.700 | 898.062 | 898.454 |
| 17+760 | 898.529 | 898.409 | 898.069 | 898.552 | 897.939 | 898.540 |
| 17+770 | 898.406 | 898.305 | 897.946 | 898.447 | 897.816 | 898.367 |
| 17+780 | 898.284 | 898.187 | 897.824 | 898.219 | 897.694 | 898.143 |
| 17+790 | 898.170 | 897.896 | 897.710 | 897.695 | 897.580 | 898.029 |
| 17+800 | 898.080 | 897.481 | 897.620 | 897.132 | 897.490 | 897.921 |
| 17+810 | 898.014 | 897.306 | | 897.811 | | 897.862 |
| 17+820 | 897.972 | 897.677 | | 898.163 | | 897.778 |
| 17+830 | 897.955 | 897.769 | | 897.868 | | 897.819 |
| 17+840 | 897.961 | 897.934 | | 897.998 | | 897.861 |
| 17+850 | 897.992 | 898.077 | | 898.059 | | 897.966 |
| 17+860 | 898.046 | 898.216 | | 898.110 | | 898.069 |
| 17+870 | 898.125 | 898.354 | | 898.182 | | 898.161 |
| 17+880 | 898.228 | 898.424 | | 898.343 | | 898.288 |
| 17+890 | 898.355 | 898.483 | | 898.529 | | 898.450 |
| 17+900 | 898.506 | 898.551 | | 898.706 | | 898.605 |
| 17+910 | 898.681 | 898.740 | | 898.758 | | 898.706 |
| 17+920 | 898.880 | 898.892 | | 898.878 | | 898.783 |
| 17+930 | 899.103 | 899.138 | | 899.437 | | 898.891 |
| 17+940 | 899.347 | 899.345 | | 899.647 | | 899.121 |
| 17+950 | 899.593 | 899.491 | | 899.793 | | 899.438 |
| 17+960 | 899.839 | 899.676 | | 899.868 | | 899.706 |
| 17+970 | 900.086 | 899.858 | | 899.946 | | 899.928 |
| 17+980 | 900.332 | 899.954 | | 900.102 | | 900.116 |
| 17+990 | 900.578 | 900.155 | | 900.456 | | 900.330 |
| 18+000 | 900.824 | 900.520 | | 900.851 | | 900.658 |
| 18+010 | 901.071 | 900.878 | | 901.108 | | 900.934 |
| 18+020 | 901.317 | 901.203 | | 901.233 | | 901.211 |
| 18+030 | 901.563 | 901.507 | | 901.445 | | 901.469 |
| 18+040 | 901.809 | 901.772 | | 901.798 | | 901.708 |
| 18+050 | 902.055 | 902.038 | | 902.143 | | 901.946 |
| 18+060 | 902.302 | 901.937 | | 902.272 | | 902.163 |
| 18+070 | 902.548 | 902.238 | | 902.436 | | 902.640 |
| 18+080 | 902.794 | 902.692 | | 902.821 | | 903.164 |
| 18+090 | 903.040 | 903.108 | | 903.179 | | 903.522 |
| 18+100 | 903.284 | 903.371 | | 903.377 | | 903.680 |
| 18+110 | 903.521 | 903.502 | | 903.559 | | 903.802 |
| 18+120 | 903.750 | 903.757 | | 903.648 | | 904.019 |
| 18+130 | 903.972 | 904.032 | | 903.807 | | 904.251 |
| 18+140 | 904.186 | 904.274 | | 904.034 | | 904.519 |
| 18+150 | 904.393 | 904.510 | | 904.414 | | 904.824 |
| 18+160 | 904.593 | 904.437 | | 904.858 | | 904.979 |
| 18+170 | 904.785 | 904.732 | | 905.161 | | 905.113 |
| 18+180 | 904.970 | 905.101 | | 905.460 | | 905.241 |
| 18+190 | 905.147 | 905.476 | | 905.854 | | 905.754 |
| 18+200 | 905.317 | 905.861 | | 906.133 | | 906.156 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m): L:1038.98

SUPERELEVATION

Main Road @ VERTICAL SCHEMATIC: G: -1.2% L: 488.797 | R: 4150.0 K: 41.5 L: 153.103 | G: 2.5% L: 157.495

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m): G: -1.2% L: 488.795 | R: 4150.0 K: 41.5 L: 153.106

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): G: -1.2% L: 488.795 | R: 4150.0 K: 41.5 L: 153.106

LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
   * RD-02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
   * RD-03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
   * RD-04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
   * RD-05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   * RD-06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD-07 : TYPICAL CROSS SECTION SCHEDULE
   * RD-08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD-09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL −1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

RELEASED FOR: ☑ APPROVAL ☐ CONSTRUCTION ☐ INFORMATION ☐ TENDER ☐ DRAFT ☐ PRELIMNARY

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

FOR INTERNAL OFFICE ONLY

CONSULTANT: STUP Consultants Pvt. Ltd. (assystem stup)
REGISTERED OFFICE : Unit No.2702, 27th Floor, Rupa Renaissance, P.No.D-33 & D-207, Juinagar, MIDC TTC Industrial Area, Turbhe, Navi Mumbai, Thane, Maharashtra-400705 Tel: +91 (022) 68067777, E-mail: mumbai@assystem.com
OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru – 560 052 Tel.: 080 – 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 17500.000 TO CH: 18200.000

DRG.NO.: NO533/E/HWY/RD-346(R0)

DATE: 13-01-2026 | DRAWN: NRG | PREPARED: ADJ | CHECKED: SP | APPROVED: AC

SCALE: HOR= 1:1000 VER= 1:100

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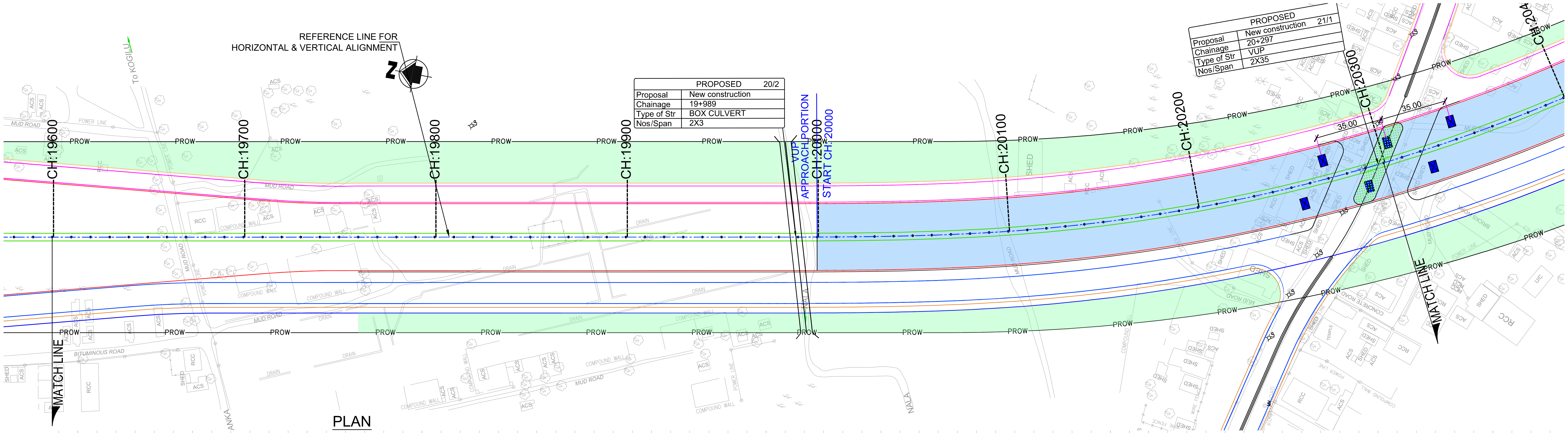
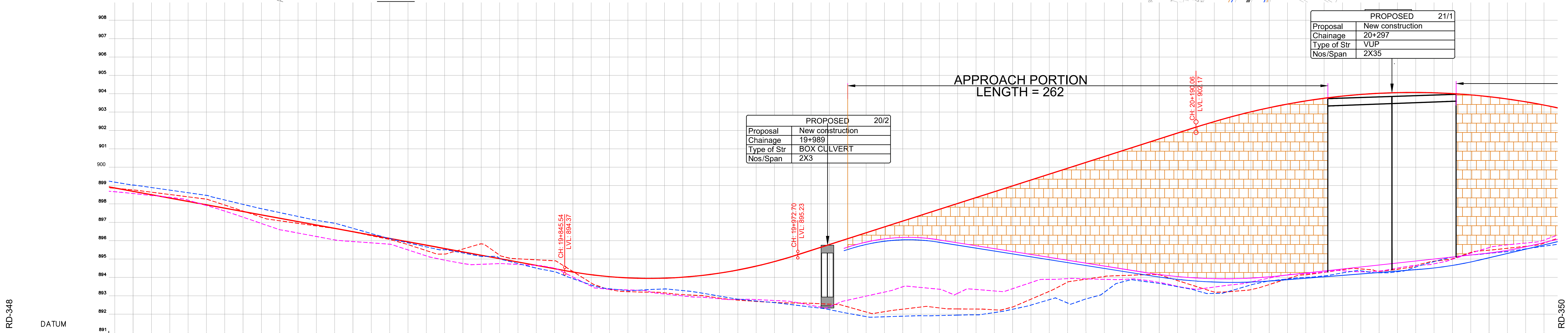



## PLAN




| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | FORMATION LEVEL LEFT SERVICE ROAD | GROUND LEVEL LEFT SERVICE ROAD | FORMATION LEVEL RIGHT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|---|---|
| 19+600 | 898.865 | 898.847 | | 898.659 | | 899.183 |
| 19+610 | 898.681 | 898.760 | | 898.564 | | 899.024 |
| 19+620 | 898.498 | 898.636 | | 898.451 | | 898.890 |
| 19+630 | 898.315 | 898.509 | | 898.355 | | 898.748 |
| 19+640 | 898.132 | 898.382 | | 898.200 | | 898.606 |
| 19+650 | 897.949 | 898.257 | | 897.910 | | 898.464 |
| 19+660 | 897.765 | 897.935 | | 897.607 | | 898.211 |
| 19+670 | 897.582 | 897.608 | | 897.275 | | 897.972 |
| 19+680 | 897.399 | 897.276 | | 896.932 | | 897.737 |
| 19+690 | 897.216 | 897.080 | | 896.589 | | 897.525 |
| 19+700 | 897.032 | 896.939 | | 896.412 | | 897.314 |
| 19+710 | 896.849 | 896.799 | | 896.224 | | 897.104 |
| 19+720 | 896.666 | 896.657 | | 896.037 | | 896.944 |
| 19+730 | 896.483 | 896.471 | | 895.949 | | 896.668 |
| 19+740 | 896.300 | 896.267 | | 895.876 | | 896.385 |
| 19+750 | 896.116 | 896.063 | | 895.804 | | 896.114 |
| 19+760 | 895.933 | 895.782 | | 895.493 | | 895.879 |
| 19+770 | 895.750 | 895.456 | | 895.167 | | 895.657 |
| 19+780 | 895.567 | 895.269 | | 894.935 | | 895.502 |
| 19+790 | 895.384 | 895.542 | | 894.753 | | 895.327 |
| 19+800 | 895.200 | 895.821 | | 894.709 | | 895.140 |
| 19+810 | 895.017 | 895.208 | | 894.748 | | 895.030 |
| 19+820 | 894.834 | 895.008 | | 894.701 | | 894.751 |
| 19+830 | 894.651 | 894.955 | | 894.647 | | 894.501 |
| 19+840 | 894.467 | 894.902 | | 894.500 | | 894.307 |
| 19+850 | 894.288 | 894.317 | | 894.017 | | 893.927 |
| 19+860 | 894.142 | 893.695 | | 893.513 | | 893.582 |
| 19+870 | 894.036 | 893.342 | | 893.352 | | 893.376 |
| 19+880 | 893.969 | 893.221 | | 893.314 | | 893.275 |
| 19+890 | 893.942 | 893.195 | | 893.278 | | 893.322 |
| 19+900 | 893.954 | 893.154 | | 893.093 | | 893.365 |
| 19+910 | 894.006 | 893.059 | | 892.988 | | 893.278 |
| 19+920 | 894.098 | 893.005 | | 892.921 | | 893.148 |
| 19+930 | 894.228 | 892.870 | | 892.832 | | 892.978 |
| 19+940 | 894.399 | 892.760 | | 892.799 | | 892.808 |
| 19+950 | 894.609 | 892.690 | | 892.788 | | 892.711 |
| 19+960 | 894.858 | 892.635 | | 892.739 | | 892.624 |
| 19+970 | 895.147 | 892.604 | | 892.671 | | 892.505 |
| 19+980 | 895.465 | 892.588 | | 892.474 | | 892.383 |
| 19+990 | 895.785 | 892.537 | | 892.396 | | 892.243 |
| 20+000 | 896.104 | 892.394 | 895.644 | 892.756 | 895.514 | 892.041 |
| 20+010 | 896.423 | 892.114 | 895.917 | 892.976 | 895.787 | 891.863 |
| 20+020 | 896.743 | 892.129 | 896.093 | 893.196 | 895.963 | 891.852 |
| 20+030 | 897.062 | 892.266 | 896.172 | 893.487 | 896.042 | 891.884 |
| 20+040 | 897.382 | 892.385 | 896.153 | 893.447 | 896.023 | 891.910 |
| 20+050 | 897.701 | 892.334 | 896.037 | 893.351 | 895.907 | 891.918 |
| 20+060 | 898.020 | 892.279 | 895.879 | 893.131 | 895.749 | 891.943 |
| 20+070 | 898.340 | 892.272 | 895.721 | 893.340 | 895.591 | 891.958 |
| 20+080 | 898.659 | 892.231 | 895.563 | 893.258 | 895.433 | 892.082 |
| 20+090 | 898.979 | 892.387 | 895.405 | 893.382 | 895.275 | 892.262 |
| 20+100 | 899.298 | 892.810 | 895.247 | 893.716 | 895.117 | 892.488 |
| 20+110 | 899.617 | 893.238 | 895.089 | 893.889 | 894.959 | 892.784 |
| 20+120 | 899.937 | 893.743 | 894.931 | 893.929 | 894.801 | 892.600 |
| 20+130 | 900.256 | 893.899 | 894.773 | 893.917 | 894.643 | 892.824 |
| 20+140 | 900.576 | 894.034 | 894.615 | 893.890 | 894.485 | 893.184 |
| 20+150 | 900.895 | 894.099 | 894.457 | 893.886 | 894.327 | 893.753 |
| 20+160 | 901.214 | 894.136 | 894.299 | 893.869 | 894.169 | 893.802 |
| 20+170 | 901.534 | 894.135 | 894.153 | 893.720 | 894.014 | 893.669 |
| 20+180 | 901.853 | 893.825 | 894.042 | 893.510 | 893.887 | 893.489 |
| 20+190 | 902.173 | 893.508 | 893.967 | 893.343 | 893.797 | 893.285 |
| 20+200 | 902.479 | 893.201 | 893.928 | 893.470 | 893.743 | 893.122 |
| 20+210 | 902.758 | 893.233 | 893.925 | 893.597 | 893.725 | 893.294 |
| 20+220 | 903.010 | 893.330 | 893.958 | 893.747 | 893.742 | 893.587 |
| 20+230 | 903.235 | 893.607 | 894.027 | 893.962 | 893.796 | 893.801 |
| 20+240 | 903.434 | 893.923 | 894.129 | 894.137 | 893.873 | 893.912 |
| 20+250 | 903.605 | 894.139 | 894.237 | 894.199 | 893.951 | 893.998 |
| 20+260 | 903.749 | 894.274 | 894.346 | 894.290 | 894.029 | 894.080 |
| 20+270 | 903.866 | 894.413 | 894.454 | 894.356 | 894.107 | 894.244 |
| 20+280 | 903.957 | 894.457 | 894.563 | 894.305 | 894.185 | 894.358 |
| 20+290 | 904.020 | 894.328 | 894.671 | 894.344 | 894.263 | 894.248 |
| 20+300 | 904.057 | 894.439 | 894.779 | 894.507 | 894.341 | 894.303 |
| 20+310 | 904.066 | 894.631 | 894.888 | 894.656 | 894.418 | 894.562 |
| 20+320 | 904.048 | 894.877 | 894.996 | 894.736 | 894.509 | 894.858 |
| 20+330 | 904.004 | 895.014 | 895.105 | 894.981 | 894.647 | 895.098 |
| 20+340 | 903.932 | 895.352 | 895.213 | 895.311 | 894.836 | 895.216 |
| 20+350 | 903.834 | 895.479 | 895.323 | 895.616 | 895.065 | 895.306 |
| 20+360 | 903.709 | 895.581 | 895.469 | 895.769 | 895.299 | 895.401 |
| 20+370 | 903.556 | 895.690 | 895.664 | 895.866 | 895.533 | 895.547 |
| 20+380 | 903.377 | 895.864 | 895.896 | 896.029 | 895.766 | 895.697 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m): L:520.12; L:520.12; Ls: 135.000 LT: 90.027 ST: 45.024 K: 67.487; PI STA D: 36 R: L:

SUPERELEVATION: e:-4.94% e:4.94%

Main Road @ VERTICAL SCHEMATIC: R: 2530.0 K: 25.3 L: 127.164; G: 3.2% L: 217.364; R: 3708.1 K: 37.1 L: 216.479

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m): G: 3.2% L: 27.593; R: 1025.5 K: 10.3 L: 48.953; G: -1.6% L: 112.686; R: 2778.8 K: 27.8 L: 74.016; G: 1.1% L: 111.628; R: 1995.5 K: 20.0 L: 25.000

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): G: 3.2% L: 27.593; R: 1025.5 K: 10.3 L: 48.953; G: -1.6% L: 116.933; R: 2778.8 K: 27.8 L: 65.522; G: 0.8% L: 81.221; R: 1995.5 K: 20.0 L: 31.100

## LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD–01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
   * RD–02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
   * RD–03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
   * RD–04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
   * RD–05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   * RD–06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD–07 : TYPICAL CROSS SECTION SCHEDULE
   * RD–08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD–09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL –1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13–01–26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

FOR INTERNAL OFFICE ONLY

CONSULTANT: STUP Consultants Pvt. Ltd. (assystem stup)

REGISTERED OFFICE : Unit No.2702, 27th Floor, Rupa Renaissance, P.No.D-33 & D-207, Juinagar, MIDC TTC Industrial Area, Turbhe, Navi Mumbai, Thane, Maharashtra-400705 Tel: +91 (022) 68067777, E-mail: mumbai@assystem.com

OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru – 560 052 Tel.: 080 – 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 19600.000 TO CH: 20300.000

DRG.NO.: N0533/E/HWY/RD–349 (R0)

DATE: 13–01–2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: HOR= 1:1000 VER= 1:100

A1

DISCLAIMER: ONLY APPROVED AND SIGNED HARD COPIES SHALL BE USED FOR CONSTRUCTION

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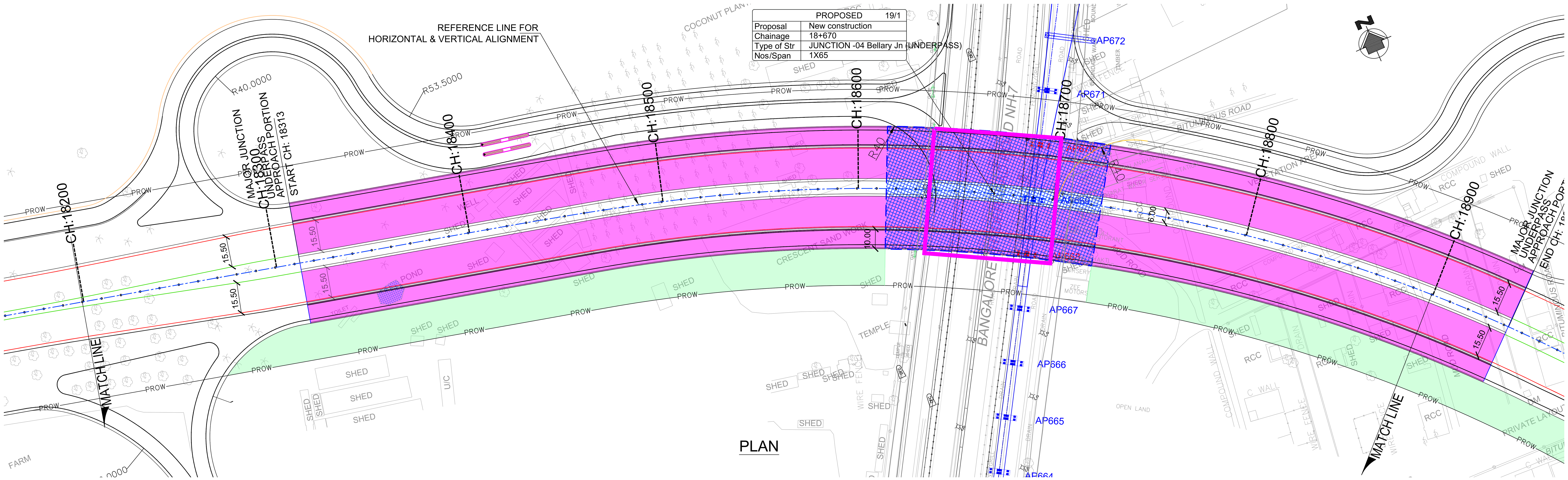
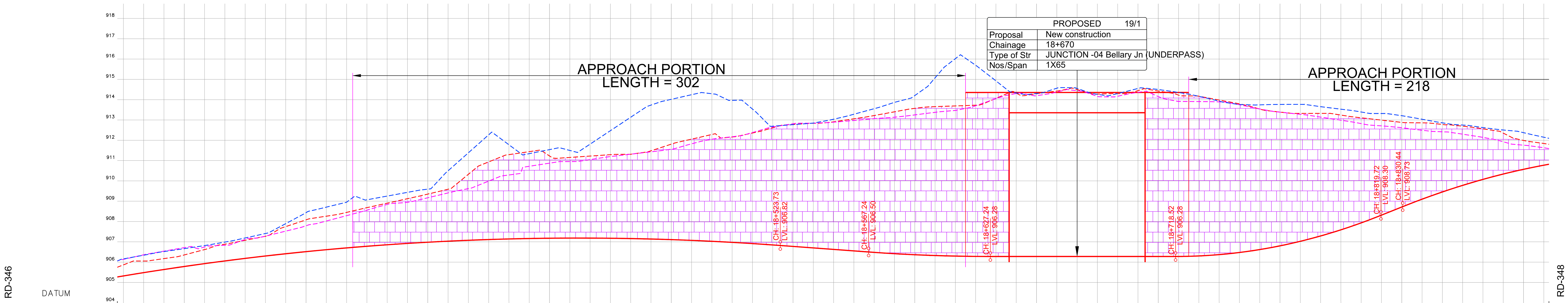
TUMKUR ROAD ←

HOSUR ROAD →




PLAN




HORIZONTAL GEOMETRY AT ROAD CENTER (m): Ls: 135.000, LT: 90.034, ST: 45.031, K: 67.484

SUPERELEVATION: e:5.00%, e:-5.00%

Main Road @ VERTICAL SCHEMATIC: R: 13499.7, K: 135.0, L: 431.725 | G: -0.7%, L: 43.514 | R: 8154.0, K: 81.5, L: 60.000 | G: 0.0%, L: 91.276 | R: 2530.0, K: 25.3, L: 101.200 | G: 4.0%, L: 10.724

FORMATION LEVEL LEFT SERVICE ROAD; VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m); FORMATION LEVEL RIGHT SERVICE ROAD; VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m)

| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | GROUND LEVEL LEFT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|
| 18+200 | 905.317 | 905.861 | 906.133 | 906.156 |
| 18+210 | 905.479 | 906.050 | 906.356 | 906.338 |
| 18+220 | 905.634 | 906.170 | 906.537 | 906.518 |
| 18+230 | 905.782 | 906.351 | 906.710 | 906.661 |
| 18+240 | 905.922 | 906.615 | 906.744 | 906.812 |
| 18+250 | 906.055 | 906.881 | 906.828 | 906.984 |
| 18+260 | 906.181 | 907.072 | 907.115 | 907.186 |
| 18+270 | 906.299 | 907.270 | 907.279 | 907.405 |
| 18+280 | 906.410 | 907.745 | 907.523 | 907.892 |
| 18+290 | 906.513 | 908.078 | 907.788 | 908.433 |
| 18+300 | 906.609 | 908.258 | 908.020 | 908.704 |
| 18+310 | 906.697 | 908.446 | 908.285 | 908.949 |
| 18+320 | 906.778 | 908.679 | 908.552 | 909.066 |
| 18+330 | 906.852 | 908.900 | 908.839 | 909.249 |
| 18+340 | 906.918 | 909.120 | 908.946 | 909.432 |
| 18+350 | 906.977 | 909.347 | 909.165 | 909.589 |
| 18+360 | 907.028 | 909.586 | 909.405 | 910.493 |
| 18+370 | 907.072 | 910.321 | 909.615 | 911.379 |
| 18+380 | 907.109 | 910.931 | 909.987 | 912.264 |
| 18+390 | 907.138 | 911.290 | 910.287 | 911.776 |
| 18+400 | 907.160 | 911.437 | 910.716 | 911.337 |
| 18+410 | 907.174 | 911.224 | 910.871 | 911.537 |
| 18+420 | 907.181 | 911.151 | 910.949 | 911.497 |
| 18+430 | 907.181 | 911.219 | 911.046 | 911.807 |
| 18+440 | 907.173 | 911.287 | 911.194 | 912.469 |
| 18+450 | 907.157 | 911.308 | 911.311 | 913.131 |
| 18+460 | 907.135 | 911.478 | 911.428 | 913.728 |
| 18+470 | 907.105 | 911.806 | 911.557 | 914.014 |
| 18+480 | 907.067 | 912.052 | 911.821 | 914.239 |
| 18+490 | 907.022 | 912.282 | 912.044 | 914.288 |
| 18+500 | 906.970 | 912.157 | 912.171 | 913.962 |
| 18+510 | 906.910 | 912.354 | 912.378 | 913.535 |
| 18+520 | 906.843 | 912.612 | 912.653 | 912.690 |
| 18+530 | 906.770 | 912.776 | 912.809 | 912.766 |
| 18+540 | 906.697 | 912.834 | 912.838 | 912.843 |
| 18+550 | 906.623 | 912.905 | 912.888 | 913.034 |
| 18+560 | 906.549 | 913.054 | 912.972 | 913.280 |
| 18+570 | 906.476 | 913.215 | 913.062 | 913.551 |
| 18+580 | 906.412 | 913.399 | 913.133 | 913.863 |
| 18+590 | 906.360 | 913.568 | 913.246 | 914.198 |
| 18+600 | 906.321 | 913.654 | 913.372 | 915.070 |
| 18+610 | 906.294 | 913.688 | 913.466 | 916.015 |
| 18+620 | 906.279 | 913.723 | 913.696 | 915.691 |
| 18+630 | 906.275 | 914.059 | 914.048 | 914.922 |
| 18+640 | 906.275 | 914.318 | 914.302 | 914.328 |
| 18+650 | 906.275 | 914.289 | 914.192 | 914.299 |
| 18+660 | 906.275 | 914.420 | 914.371 | 914.561 |
| 18+670 | 906.275 | 914.494 | 914.436 | 914.549 |
| 18+680 | 906.275 | 914.271 | 914.160 | 914.259 |
| 18+690 | 906.275 | 914.295 | 914.165 | 914.297 |
| 18+700 | 906.275 | 914.440 | 914.356 | 914.547 |
| 18+710 | 906.275 | 914.422 | 914.150 | 914.496 |
| 18+720 | 906.276 | 914.218 | 913.909 | 914.350 |
| 18+730 | 906.301 | 914.165 | 913.902 | 914.161 |
| 18+740 | 906.367 | 913.978 | 913.887 | 913.921 |
| 18+750 | 906.471 | 913.791 | 913.745 | 913.755 |
| 18+760 | 906.615 | 913.535 | 913.538 | 913.740 |
| 18+770 | 906.799 | 913.385 | 913.380 | 913.761 |
| 18+780 | 907.022 | 913.319 | 913.276 | 913.763 |
| 18+790 | 907.285 | 913.321 | 913.138 | 913.651 |
| 18+800 | 907.587 | 913.238 | 912.985 | 913.528 |
| 18+810 | 907.929 | 913.102 | 912.817 | 913.389 |
| 18+820 | 908.311 | 912.989 | 912.706 | 913.315 |
| 18+830 | 908.711 | 912.878 | 912.614 | 913.207 |
| 18+840 | 909.097 | 912.854 | 912.490 | 913.032 |
| 18+850 | 909.452 | 912.775 | 912.414 | 912.855 |
| 18+860 | 909.777 | 912.691 | 912.297 | 912.746 |
| 18+870 | 910.071 | 912.560 | 912.138 | 912.620 |
| 18+880 | 910.334 | 912.350 | 911.924 | 912.503 |
| 18+890 | 910.567 | 911.989 | 911.755 | 912.371 |
| 18+900 | 910.769 | 911.839 | 911.629 | 912.148 |

LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
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3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
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   - * RD-02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
   - * RD-03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
   - * RD-04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
   - * RD-05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   - * RD-06 : TYPICAL CROSS SECTION AT TOLL PLAZA
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- UNDERPASS APPROACH PORTION (PRR AT LEVEL −1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13−01−26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

RELEASED FOR

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

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OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru − 560 052 Tel.: 080 − 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 18200.000 TO CH: 18900.000

DRG.NO.: NO533/E/HWY/RD−347(R0)

DATE: 13−01−2026; DRAWN: NRG; PREPARED: ADJ; CHECKED: SP; APPROVED: AC

SCALE: HOR= 1:1000 VER= 1:100

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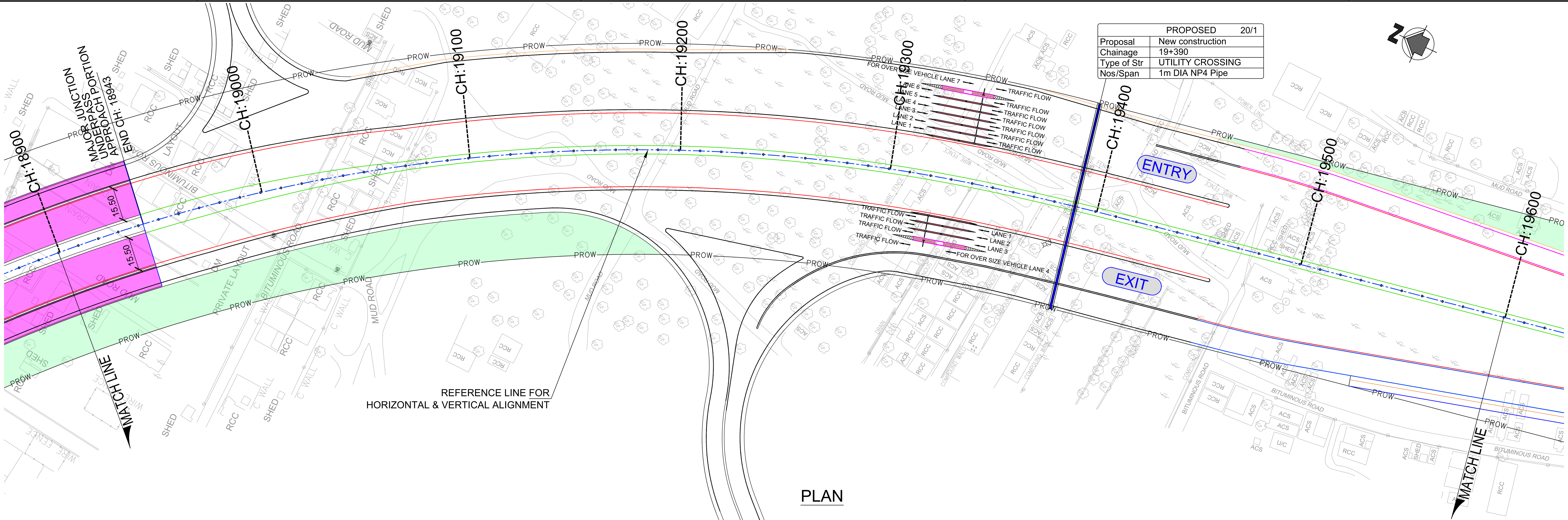
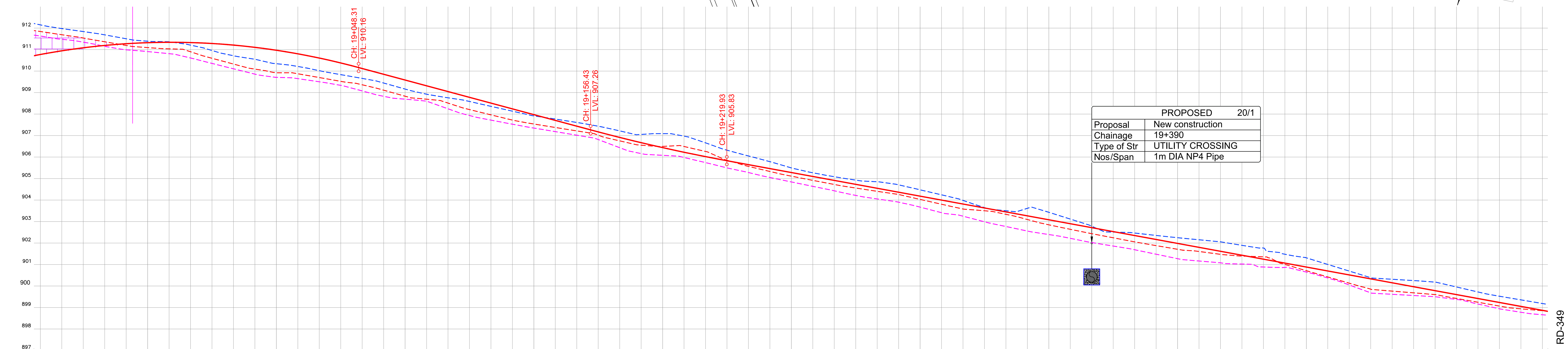
TUMKUR ROAD ←

HOSUR ROAD →




| PROPOSED | 20/1 |
|---|---|
| Proposal | New construction |
| Chainage | 19+390 |
| Type of Str | UTILITY CROSSING |
| Nos/Span | 1m DIA NP4 Pipe |

## PLAN




| PROPOSED | 20/1 |
|---|---|
| Proposal | New construction |
| Chainage | 19+390 |
| Type of Str | UTILITY CROSSING |
| Nos/Span | 1m DIA NP4 Pipe |

| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | GROUND LEVEL LEFT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|
| 18+900 | 910.769 | 911.839 | 911.629 | 912.148 |
| 18+910 | 910.940 | 911.688 | 911.475 | 911.975 |
| 18+920 | 911.080 | 911.535 | 911.342 | 911.836 |
| 18+930 | 911.190 | 911.360 | 911.150 | 911.682 |
| 18+940 | 911.270 | 911.189 | 910.987 | 911.500 |
| 18+950 | 911.318 | 911.090 | 910.905 | 911.387 |
| 18+960 | 911.336 | 911.031 | 910.807 | 911.359 |
| 18+970 | 911.323 | 910.896 | 910.607 | 911.205 |
| 18+980 | 911.280 | 910.593 | 910.354 | 910.954 |
| 18+990 | 911.206 | 910.324 | 910.103 | 910.711 |
| 19+000 | 911.101 | 910.088 | 909.854 | 910.548 |
| 19+010 | 910.966 | 909.918 | 909.705 | 910.339 |
| 19+020 | 910.800 | 909.872 | 909.645 | 910.211 |
| 19+030 | 910.603 | 909.696 | 909.499 | 910.015 |
| 19+040 | 910.375 | 909.519 | 909.333 | 909.831 |
| 19+050 | 910.118 | 909.359 | 909.073 | 909.656 |
| 19+060 | 909.849 | 909.108 | 908.823 | 909.441 |
| 19+070 | 909.581 | 908.827 | 908.690 | 909.160 |
| 19+080 | 909.313 | 908.689 | 908.599 | 908.922 |
| 19+090 | 909.044 | 908.508 | 908.242 | 908.753 |
| 19+100 | 908.776 | 908.206 | 907.929 | 908.582 |
| 19+110 | 908.508 | 907.960 | 907.716 | 908.356 |
| 19+120 | 908.239 | 907.716 | 907.526 | 908.131 |
| 19+130 | 907.971 | 907.535 | 907.346 | 907.913 |
| 19+140 | 907.703 | 907.372 | 907.180 | 907.764 |
| 19+150 | 907.434 | 907.214 | 907.013 | 907.606 |
| 19+160 | 907.167 | 907.015 | 906.811 | 907.431 |
| 19+170 | 906.910 | 906.750 | 906.433 | 907.215 |
| 19+180 | 906.667 | 906.549 | 906.159 | 907.049 |
| 19+190 | 906.437 | 906.493 | 906.077 | 907.086 |
| 19+200 | 906.220 | 906.488 | 905.977 | 906.969 |
| 19+210 | 906.017 | 906.258 | 905.739 | 906.658 |
| 19+220 | 905.827 | 905.849 | 905.494 | 906.316 |
| 19+230 | 905.644 | 905.563 | 905.277 | 906.049 |
| 19+240 | 905.460 | 905.326 | 905.046 | 905.781 |
| 19+250 | 905.277 | 905.108 | 904.839 | 905.492 |
| 19+260 | 905.094 | 904.913 | 904.634 | 905.265 |
| 19+270 | 904.911 | 904.722 | 904.427 | 905.083 |
| 19+280 | 904.728 | 904.555 | 904.213 | 904.924 |
| 19+290 | 904.544 | 904.402 | 904.048 | 904.848 |
| 19+300 | 904.361 | 904.255 | 903.897 | 904.704 |
| 19+310 | 904.178 | 904.027 | 903.667 | 904.473 |
| 19+320 | 903.995 | 903.801 | 903.407 | 904.238 |
| 19+330 | 903.812 | 903.580 | 903.246 | 903.980 |
| 19+340 | 903.628 | 903.498 | 902.985 | 903.645 |
| 19+350 | 903.445 | 903.332 | 902.765 | 903.499 |
| 19+360 | 903.262 | 903.091 | 902.555 | 903.612 |
| 19+370 | 903.079 | 902.844 | 902.391 | 903.427 |
| 19+380 | 902.895 | 902.635 | 902.215 | 903.111 |
| 19+390 | 902.712 | 902.432 | 902.018 | 902.779 |
| 19+400 | 902.529 | 902.240 | 901.856 | 902.505 |
| 19+410 | 902.346 | 902.049 | 901.685 | 902.461 |
| 19+420 | 902.163 | 901.877 | 901.476 | 902.350 |
| 19+430 | 901.979 | 901.705 | 901.268 | 902.245 |
| 19+440 | 901.796 | 901.603 | 901.160 | 902.148 |
| 19+450 | 901.613 | 901.470 | 901.076 | 902.052 |
| 19+460 | 901.430 | 901.390 | 901.018 | 901.889 |
| 19+470 | 901.246 | 901.354 | 900.881 | 901.762 |
| 19+480 | 901.063 | 901.000 | 900.862 | 901.476 |
| 19+490 | 900.880 | 900.710 | 900.646 | 901.308 |
| 19+500 | 900.697 | 900.419 | 900.371 | 901.000 |
| 19+510 | 900.514 | 900.128 | 900.044 | 900.692 |
| 19+520 | 900.330 | 899.850 | 899.679 | 900.384 |
| 19+530 | 900.147 | 899.759 | 899.611 | 900.310 |
| 19+540 | 899.964 | 899.679 | 899.555 | 900.249 |
| 19+550 | 899.781 | 899.598 | 899.496 | 900.176 |
| 19+560 | 899.598 | 899.417 | 899.372 | 899.952 |
| 19+570 | 899.414 | 899.240 | 899.158 | 899.719 |
| 19+580 | 899.231 | 899.063 | 898.937 | 899.521 |
| 19+590 | 899.048 | 898.935 | 898.776 | 899.352 |
| 19+600 | 898.865 | 898.847 | 898.659 | 899.183 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m): PI STA: 18+958.44, D: 56°26'29.40", R: 795.00, L: 783.15; Ls: 135.000, LT: 90.034, ST: 45.031, K: 67.484; L:520.12

SUPERELEVATION: e:5.00%, e:-5.00%

Main Road @ VERTICAL SCHEMATIC: R: 3260.0, K: 32.6, L: 217.872; G: -2.7%, L: 108.117; R: 7462.0, K: 74.6, L: 63.503; G: -1.8%, L: 625.601

FORMATION LEVEL LEFT SERVICE ROAD

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m)

FORMATION LEVEL RIGHT SERVICE ROAD

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m)

## LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
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LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
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- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
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- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
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- UNDERPASS APPROACH PORTION (PRR AT LEVEL –1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13–01–26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

RELEASED FOR: ☑ APPROVAL ☐ CONSTRUCTION ☐ INFORMATION ☐ TENDER ☐ DRAFT ☐ PRELIMNARY

| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
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TITLE: MAIN ROAD PLAN AND PROFILE CH: 18900.000 TO CH: 19600.000

DRG.NO.: NO533/E/HWY/RD–348(R0)

DATE: 13–01–2026 | DRAWN: NRG | PREPARED: ADJ | CHECKED: SP | APPROVED: AC

SCALE: HOR= 1:1000 VER= 1:100

DISCLAIMER: ONLY APPROVED AND SIGNED HARD COPIES SHALL BE USED FOR CONSTRUCTION

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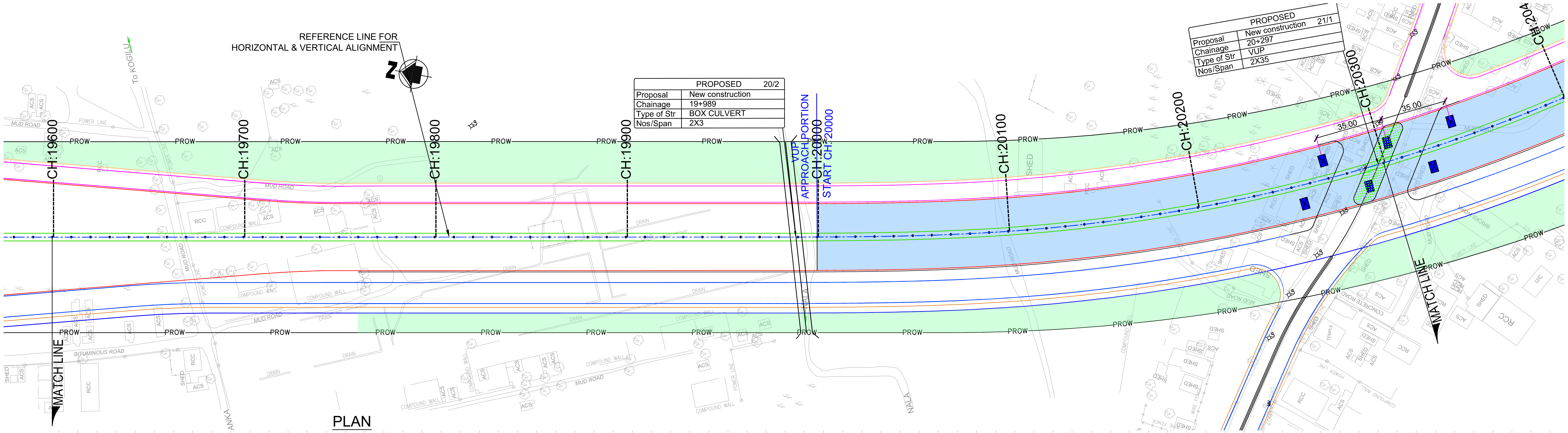
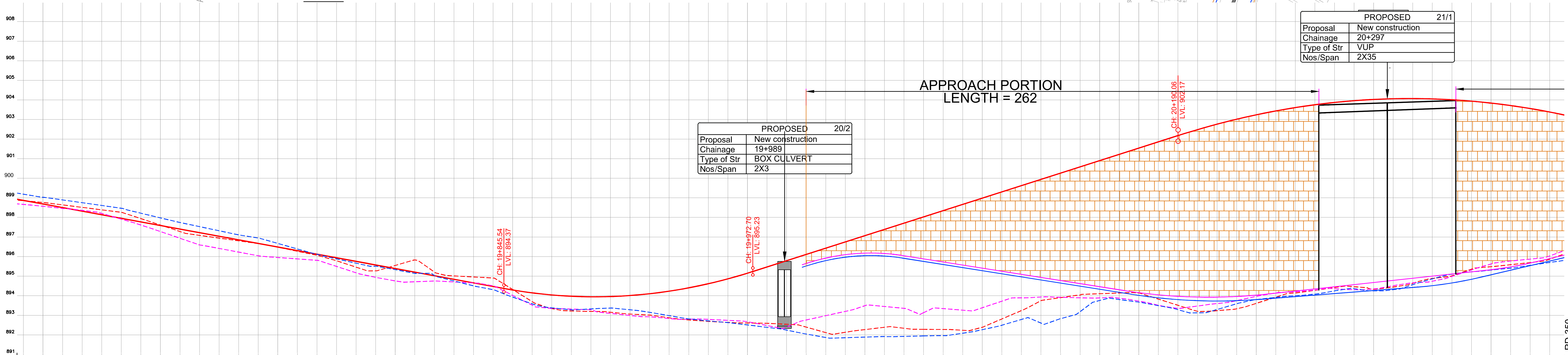
TUMKUR ROAD

HOSUR ROAD




PLAN




| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | FORMATION LEVEL LEFT SERVICE ROAD | GROUND LEVEL LEFT SERVICE ROAD | FORMATION LEVEL RIGHT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|---|---|
| 19+600 | 898.865 | 898.847 | | 898.659 | | 899.183 |
| 19+610 | 898.681 | 898.760 | | 898.564 | | 899.024 |
| 19+620 | 898.498 | 898.636 | | 898.451 | | 898.890 |
| 19+630 | 898.315 | 898.509 | | 898.355 | | 898.748 |
| 19+640 | 898.132 | 898.382 | | 898.200 | | 898.606 |
| 19+650 | 897.949 | 898.257 | | 897.910 | | 898.464 |
| 19+660 | 897.765 | 897.935 | | 897.607 | | 898.211 |
| 19+670 | 897.582 | 897.608 | | 897.275 | | 897.972 |
| 19+680 | 897.399 | 897.276 | | 896.932 | | 897.737 |
| 19+690 | 897.216 | 897.080 | | 896.589 | | 897.525 |
| 19+700 | 897.032 | 896.939 | | 896.412 | | 897.314 |
| 19+710 | 896.849 | 896.799 | | 896.224 | | 897.104 |
| 19+720 | 896.666 | 896.657 | | 896.037 | | 896.944 |
| 19+730 | 896.483 | 896.471 | | 895.949 | | 896.668 |
| 19+740 | 896.300 | 896.267 | | 895.876 | | 896.385 |
| 19+750 | 896.116 | 896.063 | | 895.804 | | 896.114 |
| 19+760 | 895.933 | 895.782 | | 895.493 | | 895.879 |
| 19+770 | 895.750 | 895.456 | | 895.167 | | 895.657 |
| 19+780 | 895.567 | 895.269 | | 894.935 | | 895.502 |
| 19+790 | 895.384 | 895.542 | | 894.753 | | 895.327 |
| 19+800 | 895.200 | 895.821 | | 894.709 | | 895.140 |
| 19+810 | 895.017 | 895.208 | | 894.748 | | 895.030 |
| 19+820 | 894.834 | 895.008 | | 894.701 | | 894.751 |
| 19+830 | 894.651 | 894.955 | | 894.647 | | 894.501 |
| 19+840 | 894.467 | 894.902 | | 894.500 | | 894.307 |
| 19+850 | 894.288 | 894.317 | | 894.017 | | 893.927 |
| 19+860 | 894.142 | 893.695 | | 893.513 | | 893.582 |
| 19+870 | 894.036 | 893.342 | | 893.352 | | 893.376 |
| 19+880 | 893.969 | 893.221 | | 893.314 | | 893.275 |
| 19+890 | 893.942 | 893.195 | | 893.278 | | 893.322 |
| 19+900 | 893.954 | 893.154 | | 893.093 | | 893.365 |
| 19+910 | 894.006 | 893.059 | | 892.988 | | 893.278 |
| 19+920 | 894.098 | 893.005 | | 892.921 | | 893.148 |
| 19+930 | 894.228 | 892.870 | | 892.832 | | 892.978 |
| 19+940 | 894.399 | 892.760 | | 892.799 | | 892.808 |
| 19+950 | 894.609 | 892.690 | | 892.788 | | 892.711 |
| 19+960 | 894.858 | 892.635 | | 892.739 | | 892.624 |
| 19+970 | 895.147 | 892.604 | | 892.671 | | 892.505 |
| 19+980 | 895.465 | 892.588 | | 892.474 | | 892.383 |
| 19+990 | 895.785 | 892.537 | | 892.396 | | 892.243 |
| 20+000 | 896.104 | 892.394 | 895.644 | 892.756 | 895.514 | 892.041 |
| 20+010 | 896.423 | 892.114 | 895.917 | 892.976 | 895.787 | 891.863 |
| 20+020 | 896.743 | 892.129 | 896.093 | 893.196 | 895.963 | 891.852 |
| 20+030 | 897.062 | 892.266 | 896.172 | 893.487 | 896.042 | 891.884 |
| 20+040 | 897.382 | 892.385 | 896.153 | 893.447 | 896.023 | 891.910 |
| 20+050 | 897.701 | 892.334 | 896.037 | 893.351 | 895.907 | 891.918 |
| 20+060 | 898.020 | 892.279 | 895.879 | 893.131 | 895.749 | 891.943 |
| 20+070 | 898.340 | 892.272 | 895.721 | 893.340 | 895.591 | 891.958 |
| 20+080 | 898.659 | 892.231 | 895.563 | 893.258 | 895.433 | 892.082 |
| 20+090 | 898.979 | 892.387 | 895.405 | 893.382 | 895.275 | 892.262 |
| 20+100 | 899.298 | 892.810 | 895.247 | 893.716 | 895.117 | 892.488 |
| 20+110 | 899.617 | 893.238 | 895.089 | 893.889 | 894.959 | 892.784 |
| 20+120 | 899.937 | 893.743 | 894.931 | 893.929 | 894.801 | 892.600 |
| 20+130 | 900.256 | 893.899 | 894.773 | 893.917 | 894.643 | 892.824 |
| 20+140 | 900.576 | 894.034 | 894.615 | 893.890 | 894.485 | 893.184 |
| 20+150 | 900.895 | 894.099 | 894.457 | 893.886 | 894.327 | 893.753 |
| 20+160 | 901.214 | 894.136 | 894.299 | 893.869 | 894.169 | 893.802 |
| 20+170 | 901.534 | 894.135 | 894.153 | 893.720 | 894.014 | 893.669 |
| 20+180 | 901.853 | 893.825 | 894.042 | 893.510 | 893.887 | 893.489 |
| 20+190 | 902.173 | 893.508 | 893.967 | 893.343 | 893.797 | 893.285 |
| 20+200 | 902.479 | 893.201 | 893.928 | 893.470 | 893.743 | 893.122 |
| 20+210 | 902.758 | 893.233 | 893.925 | 893.597 | 893.725 | 893.294 |
| 20+220 | 903.010 | 893.330 | 893.958 | 893.747 | 893.742 | 893.587 |
| 20+230 | 903.235 | 893.607 | 894.027 | 893.962 | 893.796 | 893.801 |
| 20+240 | 903.434 | 893.923 | 894.129 | 894.137 | 893.873 | 893.912 |
| 20+250 | 903.605 | 894.139 | 894.237 | 894.199 | 893.951 | 893.998 |
| 20+260 | 903.749 | 894.274 | 894.346 | 894.290 | 894.029 | 894.080 |
| 20+270 | 903.866 | 894.413 | 894.454 | 894.356 | 894.107 | 894.244 |
| 20+280 | 903.957 | 894.457 | 894.563 | 894.305 | 894.185 | 894.358 |
| 20+290 | 904.020 | 894.328 | 894.671 | 894.344 | 894.263 | 894.248 |
| 20+300 | 904.057 | 894.439 | 894.779 | 894.507 | 894.341 | 894.303 |
| 20+310 | 904.066 | 894.631 | 894.888 | 894.656 | 894.418 | 894.562 |
| 20+320 | 904.048 | 894.877 | 894.996 | 894.736 | 894.509 | 894.858 |
| 20+330 | 904.004 | 895.014 | 895.105 | 894.981 | 894.647 | 895.098 |
| 20+340 | 903.932 | 895.352 | 895.213 | 895.311 | 894.836 | 895.216 |
| 20+350 | 903.834 | 895.479 | 895.323 | 895.616 | 895.065 | 895.306 |
| 20+360 | 903.709 | 895.581 | 895.469 | 895.769 | 895.299 | 895.401 |
| 20+370 | 903.556 | 895.690 | 895.664 | 895.866 | 895.533 | 895.547 |
| 20+380 | 903.377 | 895.864 | 895.896 | 896.029 | 895.766 | 895.697 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m): L:520.12 — Ls: 135.000, LT: 90.027, ST: 45.024, K: 67.487 — PI STA D: 36 R: L:

SUPERELEVATION: e:-4.94%, e:4.94%

Main Road @ VERTICAL SCHEMATIC: R: 2530.0, K: 25.3, L: 127.164 — G: 3.2%, L: 217.364 — R: 3708.1, K: 37.1, L: 216.479

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m): G: 3.2%, L: 27.593 — R: 1025.5, K: 10.3, L: 48.953 — G: -1.6%, L: 112.686 — R: 2778.8, K: 27.8, L: 74.016 — G: 1.1%, L: 111.628 — R: 1995.5, K: 20.0, L: 25.000

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): G: 3.2%, L: 27.593 — R: 1025.5, K: 10.3, L: 48.953 — G: -1.6%, L: 116.933 — R: 2778.8, K: 27.8, L: 65.522 — G: 0.8%, L: 81.221 — R: 1995.5, K: 20.0, L: 31.100

## LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD–01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
   * RD–02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
   * RD–03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
   * RD–04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
   * RD–05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   * RD–06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD–07 : TYPICAL CROSS SECTION SCHEDULE
   * RD–08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD–09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL –1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13–01–26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

☑ APPROVAL ☐ CONSTRUCTION
☐ INFORMATION ☐ TENDER
☐ DRAFT ☐ PRELIMNARY

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CONSULTANT: STUP Consultants Pvt. Ltd.

REGISTERED OFFICE : Unit No.2702, 27th Floor, Rupa Renaissance, P.No.D-33 & D-207, Juinagar, MIDC TTC Industrial Area, Turbhe, Navi Mumbai, Thane, Maharashtra-400705 Tel: +91 (022) 68067777, E-mail: mumbai@assystem.com

OFFICE OF ORIGIN : #69, JP & Devi Jambukeshwar Arcade 4th Floor, Millers Road Bengaluru – 560 052 Tel.: 080 – 40 39 79 79 Email : bangalore@assystem.com

OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 19600.000 TO CH: 20300.000

DRG.NO.: N0533/E/HWY/RD–349 (R0)

DATE 13–01–2026; DRAWN NRG; PREPARED ADJ; CHECKED SP; APPROVED AC

SCALE: HOR= 1:1000 VER= 1:100

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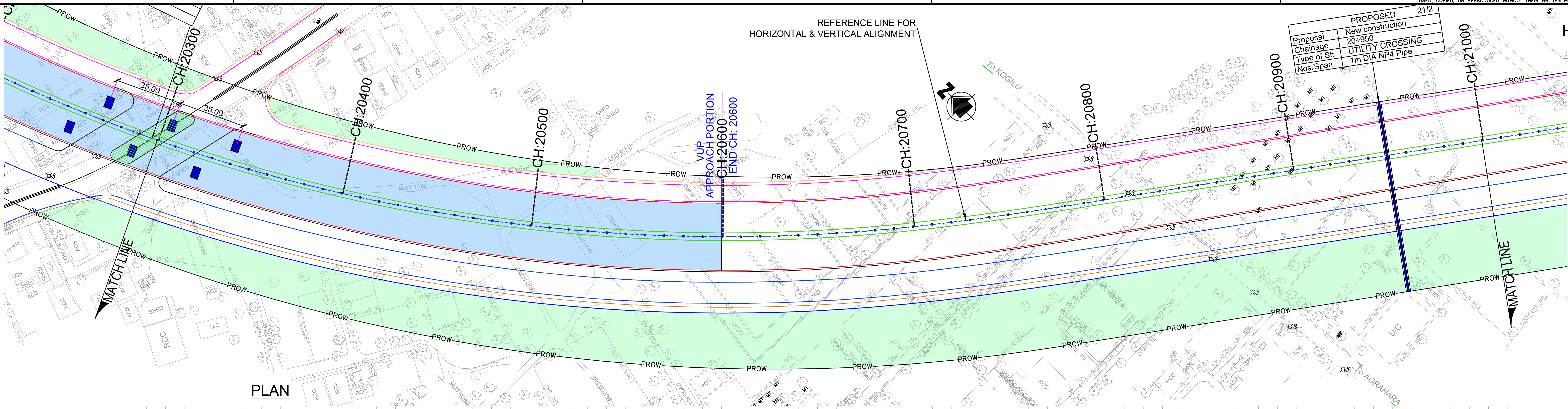
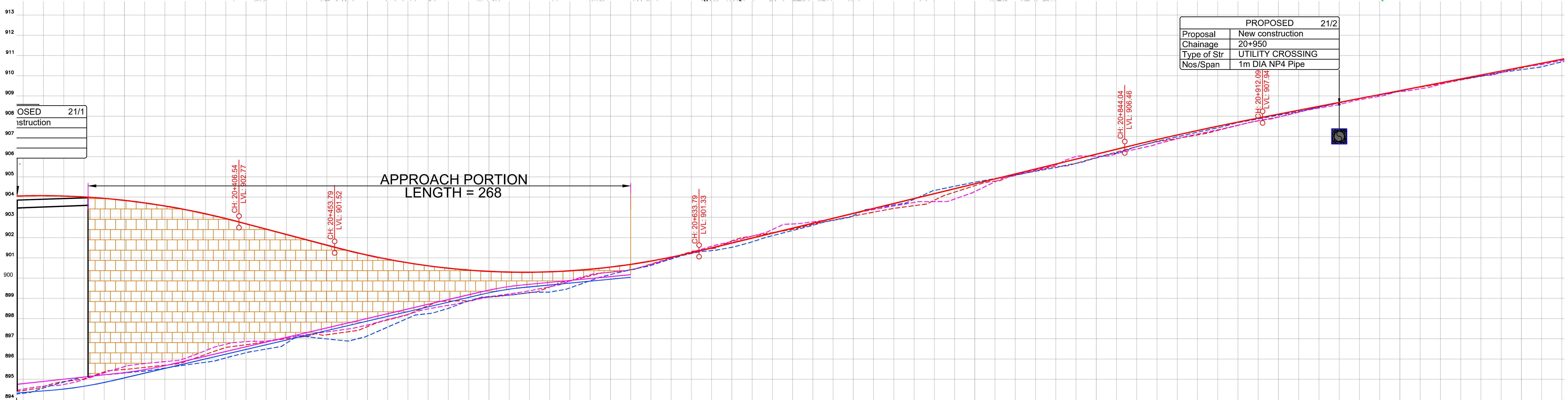
TUMKUR ROAD ←

HOSUR ROAD →




PLAN




| PROJECT CHAINAGE (m) | Main Road @ FINISHED ROAD LEVEL | Main Road @ EXISTING GROUND LEVEL | FORMATION LEVEL LEFT SERVICE ROAD | GROUND LEVEL LEFT SERVICE ROAD | FORMATION LEVEL RIGHT SERVICE ROAD | GROUND LEVEL RIGHT SERVICE ROAD |
|---|---|---|---|---|---|---|
| 20+300 | 904.057 | 894.439 | 894.779 | 894.507 | 894.341 | 894.303 |
| 20+310 | 904.066 | 894.631 | 894.888 | 894.656 | 894.418 | 894.562 |
| 20+320 | 904.048 | 894.877 | 894.996 | 894.736 | 894.509 | 894.858 |
| 20+330 | 904.004 | 895.014 | 895.105 | 894.981 | 894.647 | 895.098 |
| 20+340 | 903.932 | 895.352 | 895.213 | 895.311 | 894.836 | 895.216 |
| 20+350 | 903.834 | 895.479 | 895.323 | 895.616 | 895.065 | 895.306 |
| 20+360 | 903.709 | 895.581 | 895.469 | 895.769 | 895.299 | 895.401 |
| 20+370 | 903.556 | 895.690 | 895.664 | 895.866 | 895.533 | 895.547 |
| 20+380 | 903.377 | 895.864 | 895.896 | 896.029 | 895.766 | 895.697 |
| 20+390 | 903.171 | 896.221 | 896.130 | 896.407 | 896.000 | 895.833 |
| 20+400 | 902.937 | 896.563 | 896.364 | 896.721 | 896.234 | 896.049 |
| 20+410 | 902.679 | 896.700 | 896.597 | 896.853 | 896.467 | 896.305 |
| 20+420 | 902.414 | 896.853 | 896.831 | 896.874 | 896.701 | 896.487 |
| 20+430 | 902.150 | 896.996 | 897.065 | 897.040 | 896.935 | 896.777 |
| 20+440 | 901.886 | 897.116 | 897.298 | 897.191 | 897.168 | 897.099 |
| 20+450 | 901.621 | 897.193 | 897.532 | 897.337 | 897.402 | 896.987 |
| 20+460 | 901.362 | 897.334 | 897.766 | 897.471 | 897.636 | 896.887 |
| 20+470 | 901.130 | 897.594 | 897.999 | 897.674 | 897.869 | 897.136 |
| 20+480 | 900.925 | 897.927 | 898.233 | 897.950 | 898.103 | 897.572 |
| 20+490 | 900.749 | 898.189 | 898.467 | 898.202 | 898.337 | 898.009 |
| 20+500 | 900.601 | 898.627 | 898.701 | 898.469 | 898.571 | 898.237 |
| 20+510 | 900.481 | 898.855 | 898.934 | 898.647 | 898.804 | 898.497 |
| 20+520 | 900.389 | 898.876 | 899.168 | 898.851 | 899.038 | 898.864 |
| 20+530 | 900.326 | 899.056 | 899.398 | 899.062 | 899.268 | 899.077 |
| 20+540 | 900.291 | 899.155 | 899.575 | 899.211 | 899.445 | 899.155 |
| 20+550 | 900.284 | 899.270 | 899.688 | 899.366 | 899.558 | 899.277 |
| 20+560 | 900.305 | 899.554 | 899.782 | 899.564 | 899.652 | 899.304 |
| 20+570 | 900.354 | 899.852 | 899.877 | 899.847 | 899.747 | 899.508 |
| 20+580 | 900.432 | 900.105 | 899.972 | 900.153 | 899.842 | 899.864 |
| 20+590 | 900.538 | 900.285 | 900.066 | 900.284 | 899.936 | 900.166 |
| 20+600 | 900.672 | 900.405 | 900.164 | 900.398 | 900.034 | 900.404 |
| 20+610 | 900.835 | 900.683 | | 900.666 | | 900.618 |
| 20+620 | 901.025 | 900.993 | | 900.968 | | 900.939 |
| 20+630 | 901.244 | 901.302 | | 901.270 | | 901.207 |
| 20+640 | 901.486 | 901.449 | | 901.567 | | 901.352 |
| 20+650 | 901.730 | 901.836 | | 901.802 | | 901.517 |
| 20+660 | 901.973 | 902.070 | | 902.066 | | 901.786 |
| 20+670 | 902.217 | 902.238 | | 902.393 | | 902.090 |
| 20+680 | 902.461 | 902.406 | | 902.669 | | 902.345 |
| 20+690 | 902.704 | 902.652 | | 902.775 | | 902.605 |
| 20+700 | 902.948 | 902.860 | | 902.946 | | 902.846 |
| 20+710 | 903.192 | 903.058 | | 903.177 | | 903.072 |
| 20+720 | 903.435 | 903.252 | | 903.382 | | 903.441 |
| 20+730 | 903.679 | 903.440 | | 903.557 | | 903.605 |
| 20+740 | 903.923 | 903.573 | | 903.733 | | 903.890 |
| 20+750 | 904.166 | 903.843 | | 903.774 | | 904.325 |
| 20+760 | 904.410 | 904.240 | | 903.900 | | 904.530 |
| 20+770 | 904.654 | 904.561 | | 904.272 | | 904.732 |
| 20+780 | 904.897 | 904.784 | | 904.754 | | 904.913 |
| 20+790 | 905.141 | 905.071 | | 905.089 | | 905.093 |
| 20+800 | 905.385 | 905.296 | | 905.334 | | 905.274 |
| 20+810 | 905.628 | 905.497 | | 905.575 | | 905.454 |
| 20+820 | 905.872 | 905.663 | | 906.007 | | 905.666 |
| 20+830 | 906.116 | 905.946 | | 906.023 | | 905.934 |
| 20+840 | 906.360 | 906.216 | | 906.140 | | 906.172 |
| 20+850 | 906.602 | 906.487 | | 906.375 | | 906.490 |
| 20+860 | 906.837 | 906.731 | | 906.620 | | 906.751 |
| 20+870 | 907.066 | 906.894 | | 906.881 | | 906.978 |
| 20+880 | 907.286 | 907.071 | | 907.110 | | 907.205 |
| 20+890 | 907.500 | 907.292 | | 907.320 | | 907.422 |
| 20+900 | 907.706 | 907.545 | | 907.549 | | 907.677 |
| 20+910 | 907.904 | 907.766 | | 907.769 | | 907.861 |
| 20+920 | 908.098 | 907.951 | | 907.949 | | 908.046 |
| 20+930 | 908.291 | 908.204 | | 908.194 | | 908.231 |
| 20+940 | 908.484 | 908.454 | | 908.396 | | 908.436 |
| 20+950 | 908.677 | 908.662 | | 908.574 | | 908.651 |
| 20+960 | 908.871 | 908.875 | | 908.812 | | 908.865 |
| 20+970 | 909.064 | 909.056 | | 908.979 | | 909.038 |
| 20+980 | 909.257 | 909.240 | | 909.213 | | 909.237 |
| 20+990 | 909.451 | 909.431 | | 909.349 | | 909.442 |
| 21+000 | 909.644 | 909.594 | | 909.569 | | 909.641 |
| 21+010 | 909.837 | 909.785 | | 909.829 | | 909.810 |
| 21+020 | 910.030 | 909.967 | | 910.007 | | 909.975 |
| 21+030 | 910.224 | 910.158 | | 910.151 | | 910.161 |
| 21+040 | 910.417 | 910.380 | | 910.407 | | 910.295 |
| 21+050 | 910.610 | 910.601 | | 910.553 | | 910.439 |
| 21+060 | 910.803 | 910.793 | | 910.746 | | 910.679 |

HORIZONTAL GEOMETRY AT ROAD CENTER (m): PI STA: 20+400.23; D: 36°18'56.73"; R: 900.00; L: 570.45 — Ls: 135.000; LT: 90.027; ST: 45.024; K: 67.487 — L:250.59

SUPERELEVATION: e:-4.94%; e:4.94%

Main Road @ VERTICAL SCHEMATIC: 3708.1; 37.1; 16.479 — G: -2.6%; L: 47.251 — R: 3542.8; K: 35.4; L: 180.000 — G: 2.4%; L: 210.247 — R: 13500.0; K: 135.0; L: 68.051 — G: 1.9%; L: 178.904

VERTICAL GEOMETRY AT LEFT SERVICE ROAD (m): R: 1995.5; K: 20.0; L: 25.000 — G: 2.3%; L: 153.954 — R: 1500.0; K: 15.0; L: 20.846 — G: 0.9%; L: 49.592 — R: 1399.5; K: 14.0; L: 20.849

VERTICAL GEOMETRY AT RIGHT SERVICE ROAD (m): R: 1995.5; K: 20.0; L: 31.100 — G: 2.3%; L: 182.508 — R: 1500.0; K: 15.0; L: 20.846 — G: 0.9%; L: 49.592 — R: 1399.5; K: 14.0; L: 20.849

## LONGITUDINAL SECTION

NOTES:

1) ALL DIMENSIONS, CHAINAGES AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) HORIZONTAL DESIGN BASED ON THE CENTERLINE FURNISHED BY BDA.
3) FRL SHOWN IN THE DRAWING IS MEASURED ALONG RESPECTIVE C/W EDGES.
4) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH
   * RD-01 : TYPICAL CROSS SECTIONS TYPE 1, 2 & 3
   * RD-02 : TYPICAL CROSS SECTIONS TYPE 4, 5 & 6
   * RD-03 : TYPICAL CROSS SECTIONS TYPE 7, 8 & 9
   * RD-04 : TYPICAL CROSS SECTIONS TYPE 10, 11 & 12
   * RD-05 : TYPICAL CROSS SECTIONS TYPE 13, 14 & 15
   * RD-06 : TYPICAL CROSS SECTION AT TOLL PLAZA
   * RD-07 : TYPICAL CROSS SECTION SCHEDULE
   * RD-08 : GENERAL NOTES, LEGENDS & ABBREVIATION.
   * RD-09 : TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS.
5) THIS DRAWING IS PREPARED BASED ON THE TOPO SURVEY FURNISHED BY BDA 2015.
6) THE LOCATION OF VUP, UNDERPASS SHOWN IN THE DRAWING ARE TENTATIVE.

LEGEND:

- MAIN ROAD @ FINISHED ROAD LEVEL
- MAIN ROAD @ EXISTING GROUND LEVEL
- LEFT SERVICE ROAD @ FINISHED ROAD LEVEL
- LEFT SERVICE ROAD @ EXISTING GROUND LEVEL
- RIGHT SERVICE ROAD @ FINISHED ROAD LEVEL
- RIGHT SERVICE ROAD @ EXISTING GROUND LEVEL
- VUP APPROACH PORTION (PRR AT LEVEL +1)
- UNDERPASS APPROACH PORTION (PRR AT LEVEL −1)
- SPACE FOR INFRA DEVELOPMENT

| DATE | No. | REVISION | DRAWN | PREPARED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| 13-01-26 | 0 | FIRST SUBMISSION | NRG | ADJ | SP | AC |

RELEASED FOR: ☑ APPROVAL ☐ CONSTRUCTION ☐ INFORMATION ☐ TENDER ☐ DRAFT ☐ PRELIMNARY

| | | | | | |
|---|---|---|---|---|---|
| GIS | | | | | |
| HIGHWAYS | | | MAJOR STRUCTURES | | |
| ELECTRICAL | | | IRRIGATION/ WATER RESOURCES | | |
| BUILDINGS | | | PHE / PLUMBING/ FIREFIGHTING | | |
| ARCHITECTURE | | | MECHANICAL / HVAC | | |
| CHECKED BY | SIGN | DATE | CHECKED BY | SIGN | DATE |

FOR INTERNAL OFFICE ONLY

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OWNER: BANGALORE DEVELOPMENT AUTHORITY

CONTRACTOR:

PROJECT: CONSTRUCTION OF EIGHT LANE BENGALURU BUSINESS CORRIDOR (BBC)

TITLE: MAIN ROAD PLAN AND PROFILE CH: 20300.000 TO CH: 21000.000

DRG.NO.: NO533/E/HWY/RD-350(R0)

DATE: 13-01-2026
DRAWN: NRG
PREPARED: ADJ
CHECKED: SP
APPROVED: AC
SCALE: HOR= 1:1000 VER= 1:100

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